# FRONT DOOR

## TOOLS

**Special tools, workshop equipment, testers, measuring instruments and auxiliary items required**

- T 10011 Socket Insert.
- 3320 and 3320/2 Door Adjustment Wrench and Box Spanner.

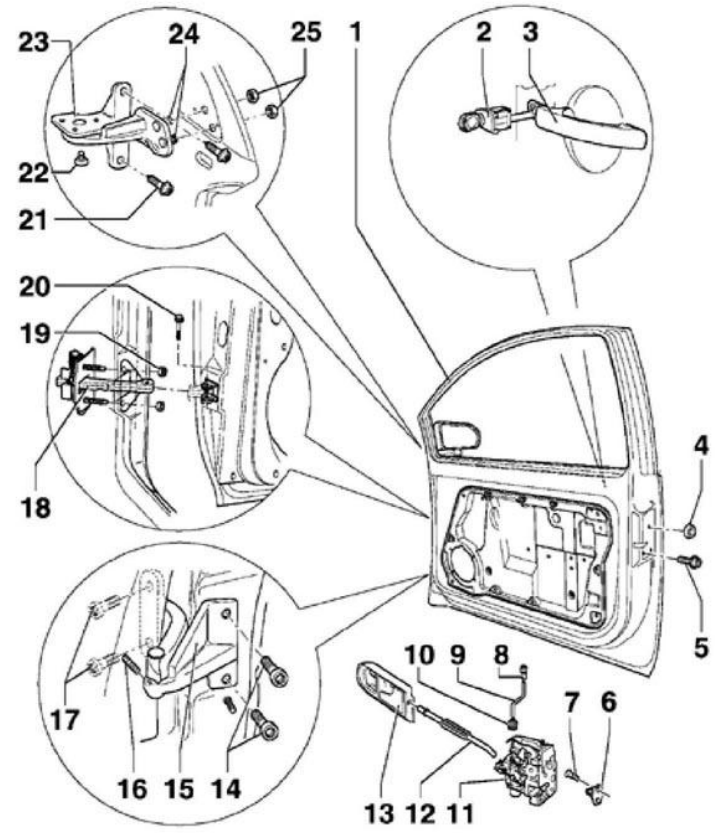
## FRONT DOOR, ASSEMBLY OVERVIEW

**NOTE: The hinge bolts (apart from -16- and -22-) and pins -24- must always be replaced if loosened. See Fig. 1 .**

**NOTE: The following list applies to items in Fig. 1 .**

1. **Door**
   - Removing and installing, see **DOOR, REMOVING AND INSTALLING** .
2. **Lock cylinder housing**
   - Removing, see **LOCK CYLINDER HOUSING, REMOVING** .
3. **Door handle with base**
   - Removing and installing, see **DOOR HANDLE, REMOVING AND INSTALLING** .
4. **Cover cap**
5. **Bolt/screw**
   - 20 N.m.
   - Installed with locking compound D 185 400 A2.
6. **Lock plate**
7. **Bolt/screw**
   - 20 N.m.
8. **Locking button**
   - Removing and installing, see **LOCKING KNOB FOR RELEASE ROD, REMOVING AND INSTALLING**
9. **Locking button**
10. **Boot**
11. **Door lock**
    - Removing and installing, see **DOOR LOCK, REMOVING AND INSTALLING** .

12. **Bowden cable**
13. **Interior release handle**
14. **Bolt/screw**
    - 20 N.m +1/4 turn (90°) further.
    - Always replace bolts/screws after loosening.
15. **Door hinge**
    - Hinge is split.
    - Always replace bolt -14- after loosening.
16. **Grub screw**
    - 13 N.m.
17. **Bolt/screw**
    - 20 N.m +1/4 turn (90°) further.
    - Always replace bolts/screws after loosening.
18. **Door arrester**
19. **Nut**
    - 9 N.m.
20. **Pin**
    - 4.5 N.m.
21. **Bolt/screw**
    - 20 N.m +1/4 turn (90°) further
    - Always replace bolts/screws after loosening.
    - Loosen and tighten with special tools 3320 Door Adjustment Wrench and 3220/2 Box Spanner.
22. **Bolt/screw**
    - 27 N.m.
23. **Door hinge**
    - Hinge is split.
    - 06.00 and up models use revised door hinge. See **DOOR, ADJUSTING** .
24. **Pin**
    - Always replace pins after loosening.
25. **Nut**
    - 20 N.m +1/4 turn (90°) further.
    - Always replace door hinge pin after loosening.




1 - Door
2 - Lock cylinder housing
3 - Door handle with base
4 - Cover cap
5 - Bolt/screw
6 - Lock plate
7 - Bolt/screw
8 - Locking button
9 - Locking button
10 - Boot
11 - Door lock
12 - Bowden cable
13 - Interior release handle
14 - Bolt/screw
15 - Door hinge
16 - Grub screw
17 - Bolt/screw
18 - Door arrester
19 - Nut
20 - Pin
21 - Bolt/screw
22 - Bolt/screw
23 - Door hinge
24 - Pin
25 - Nut

**Fig. 1: Exploded View Of Front Door Assembly**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**FRONT DOOR, ASSEMBLY OVERVIEW (CONVERTIBLE)**

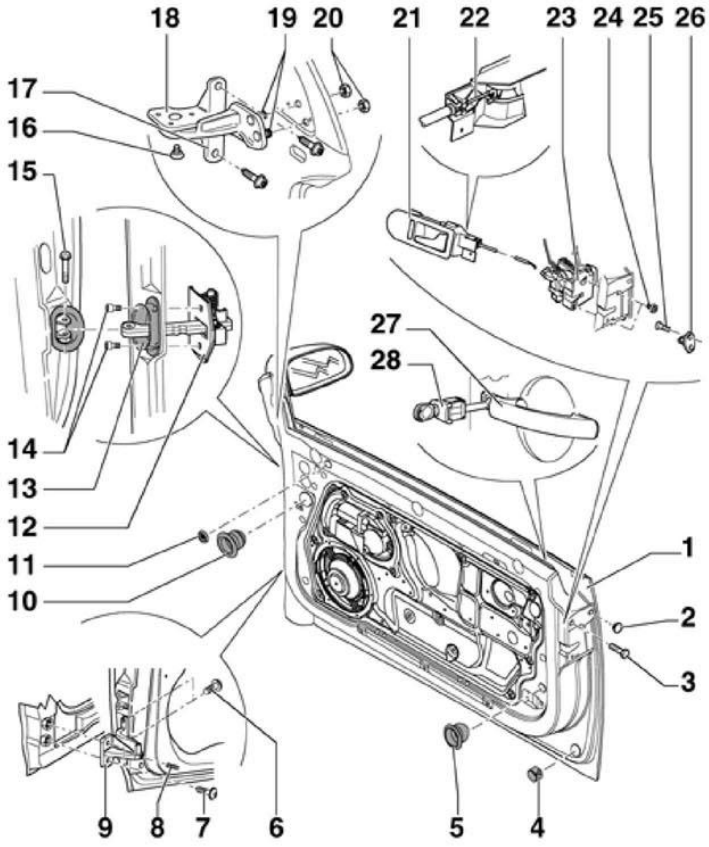
**NOTE: The hinge bolts (apart from -6- and -16-) and pin -19- must always be replaced if loosened.**

**NOTE: The following list refers to items in Fig. 2 .**

1. **Door**
   - Removing and installing, see **DOOR, REMOVING AND INSTALLING (CONVERTIBLE)** .
2. **Cover cap**
3. **Bolt/screw**
   - 20 N.m.
   - Installed with locking compound D 185 400 A2.
4. **Buffer**
5. **Grommet**
6. **Bolt/screw**
   - 20 N.m +1/4 turn (90°) further.
   - Always replace bolts/screws after loosening.
7. **Bolt/screw**
   - 20 N.m +1/4 turn (90°) further.
   - Always replace bolts/screws after loosening.
8. **Grub screw**
   - 13 N.m.
9. **Door hinge**
   - Hinge is split.
10. **Grommet**
11. **Grommet**
12. **Door arrester**
13. **Cover**
14. **Bolt/screw**
    - 10 N.m.
15. **Pin**
    - 4.5 N.m.
16. **Bolt/screw**
    - 20 N.m +1/4 turn (90°) further.
    - Always replace bolts/screws after loosening.
    - Loosen and tighten with special tools Door Adjustment Wrench 3320 and 3220/2 Box Spanner.
17. **Bolt/screw**
    - 27 N.m.
18. **Door hinge**

- Hinge is split.

19. **Pin**
    - Always replace pins after loosening.
20. **Nut**
    - 20 N.m +1/4 turn (90°) further.
    - Always replace door hinge pin after loosening.
21. **Interior release handle**
22. **Bowden cable**
23. **Door lock**
    - Removing and installing, see **INSTALLING**
24. **Bolt/screw**
    - 20 N.m.
    - Installed with locking compound D 185 400 A2.
25. **Bolt/screw**
26. **Lock plate**
27. **Door handle with base**
    - Removing and installing, see **DOOR HANDLE, REMOVING AND INSTALLING** .
28. **Door lock cylinder**




1 - Door
2 - Cover cap
3 - Bolt/screw
4 - Buffer
5 - Grommet
6 - Bolt/screw
7 - Bolt/screw
8 - Grub screw
9 - Door hinge
10 - Grommet
11 - Grommet
12 - Door arrester
13 - Cover
14 - Bolt/screw
15 - Pin
16 - Bolt/screw
17 - Bolt/screw
18 - Door hinge
19 - Pin
20 - Nut
21 - Interior release handle
22 - Bowden cable
23 - Door lock
24 - Bolt/screw
25 - Bolt/screw
26 - Lock plate
27 - Door handle with base
28 - Door lock cylinder

**Fig. 2: Exploded View Of Front Door Assembly (Convertible)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

## DOOR, REMOVING AND INSTALLING

**Models Up To 05.00**

- Remove screws -1- and take triangular shaped trim -2- off toward rear -arrow-.

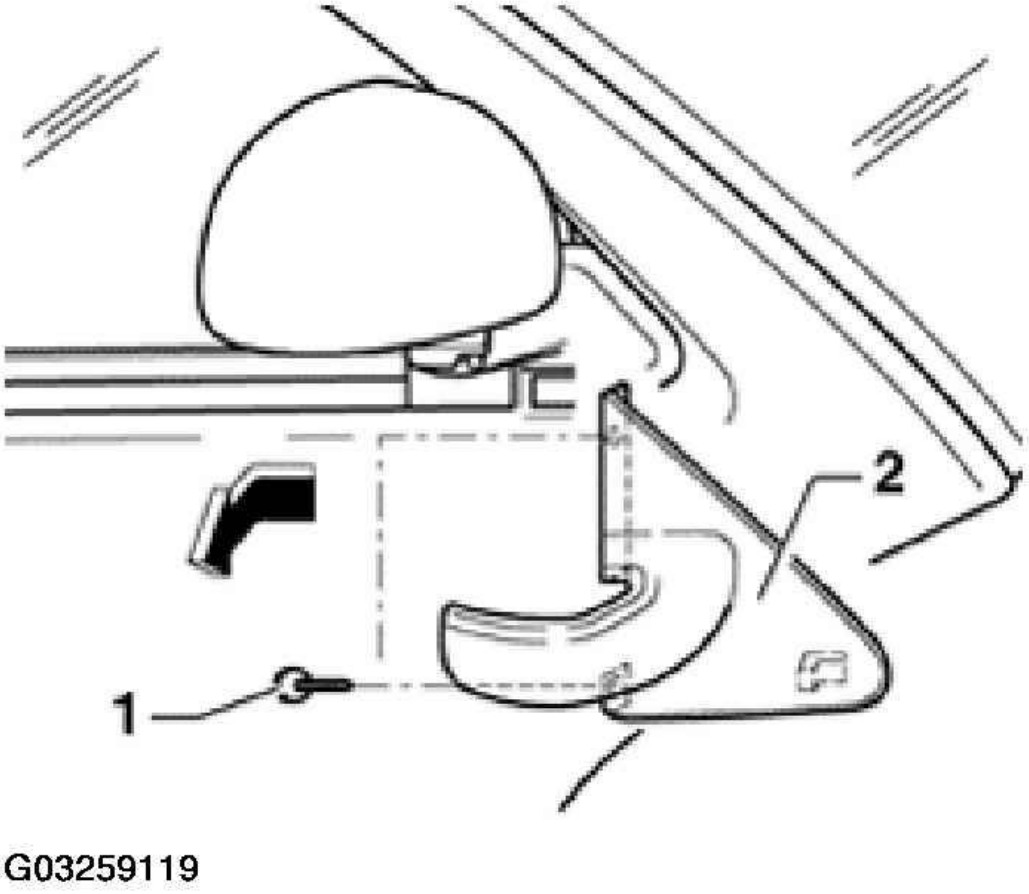



**Fig. 3: Removing Triangular Shaped Trim (Models Up To 05.00)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove hood release lever (driver's side only). See **RELEASE LEVER, REMOVING AND INSTALLING** .
- Remove A-pillar lower trim.

See **A-PILLAR LOWER TRIM, REMOVING AND INSTALLING** .

**Models From 06.00 And Up**

- Remove cover -4- using a screwdriver.

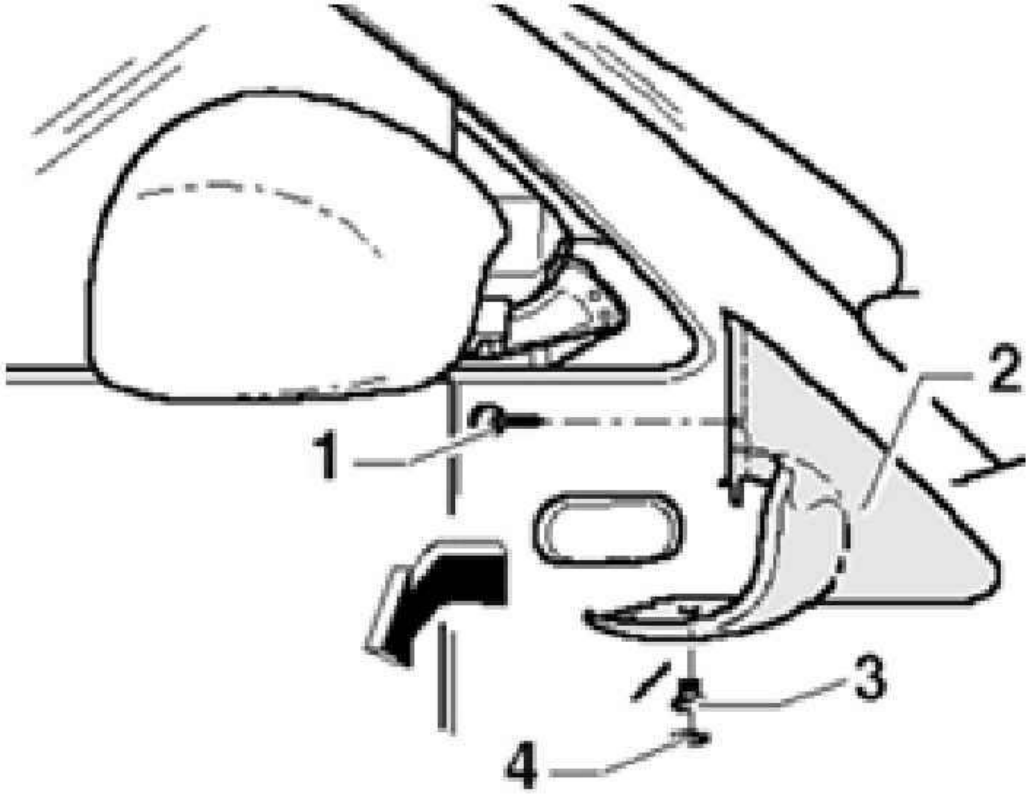



**Fig. 4: Removing Triangular Shaped Trim (Models From 06.00 And Up)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove screws -1- and -3- and take triangular shaped trim -2- off toward rear -arrow-.
- Remove hood release lever (driver's side only). See **RELEASE LEVER, REMOVING AND INSTALLING** .
- Remove A-pillar lower trim.

  See **A-PILLAR LOWER TRIM, REMOVING AND INSTALLING** .

- Disconnect multi-pin connection -1- on A-pillar -2-.

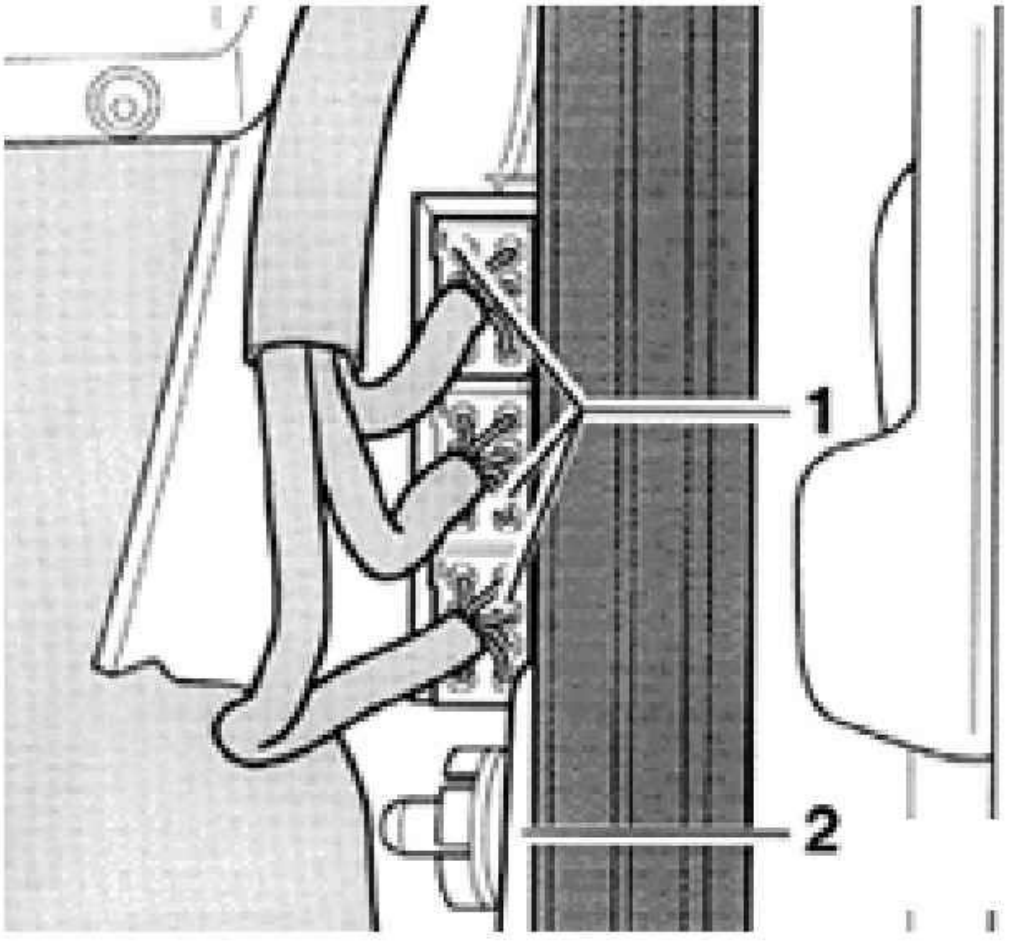



**Fig. 5: Disconnecting Multi-Pin Connection From A-Pillar (Models From 06.00 And Up)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove cover -1- for wiring harness -2- out of body opening in A-pillar.

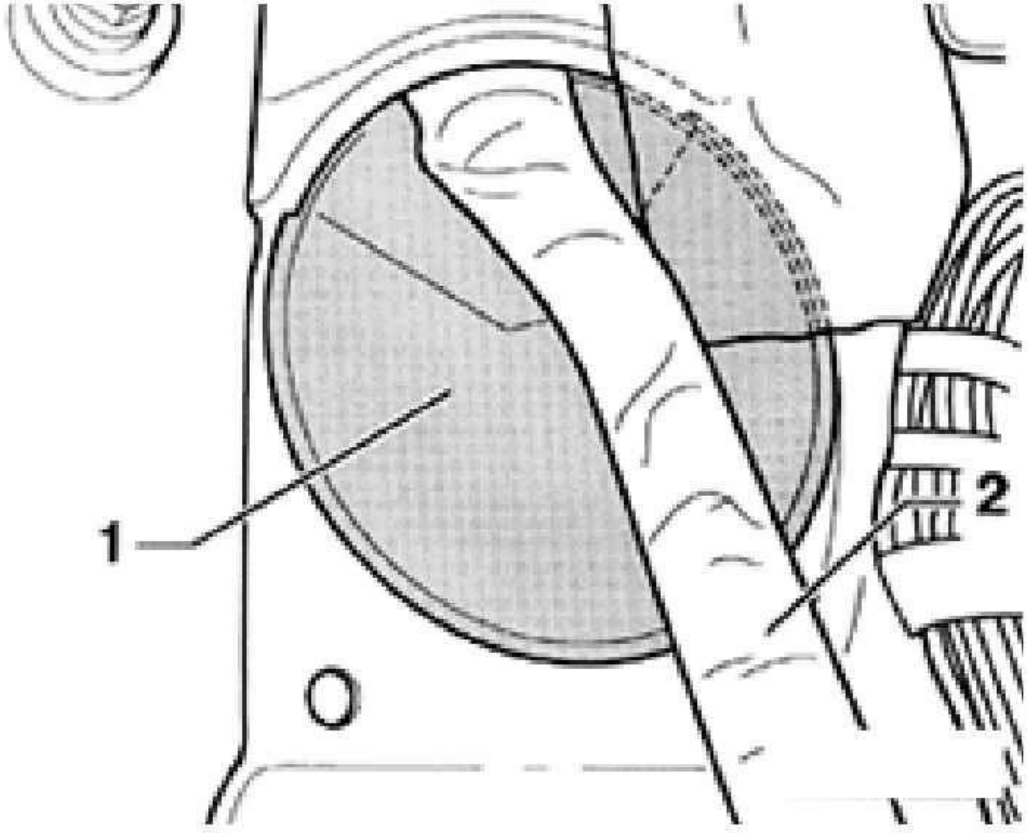



**Fig. 6: Removing Cover From Wiring Harness**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pull wiring harness out of A-pillar at boot -1- between door and A-pillar.

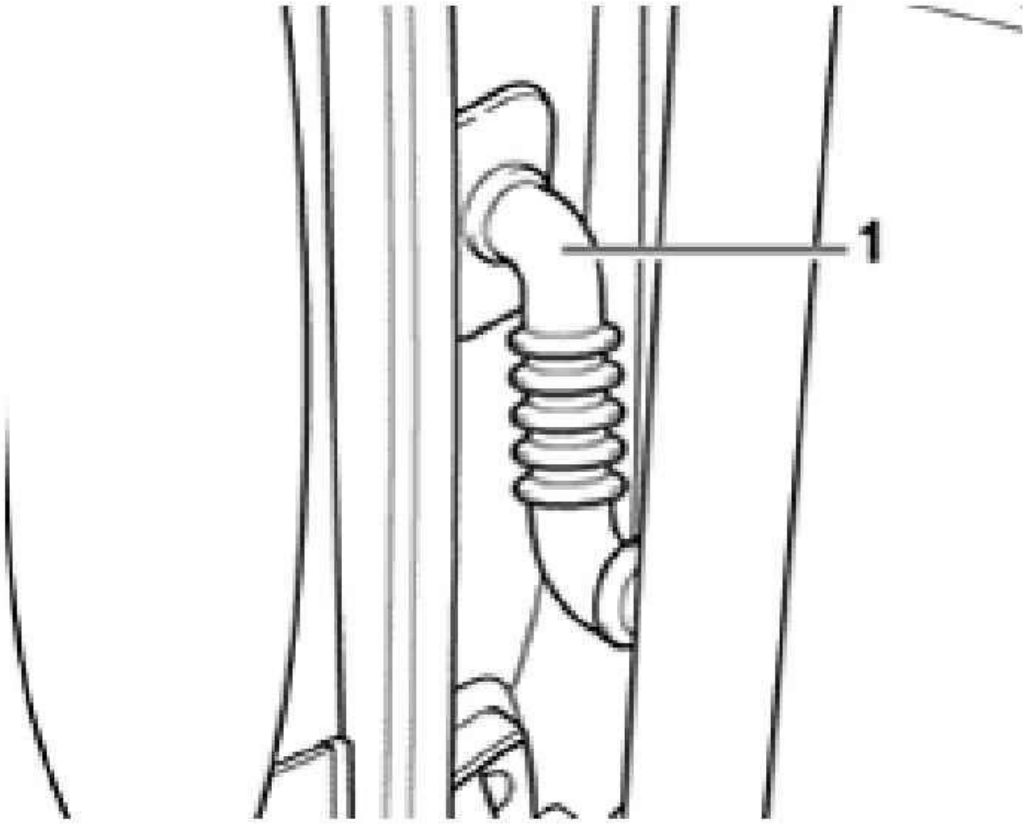



**Fig. 7: Identifying A-Pillar Boot Between Door And A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove door arrester -2- pin -1-.

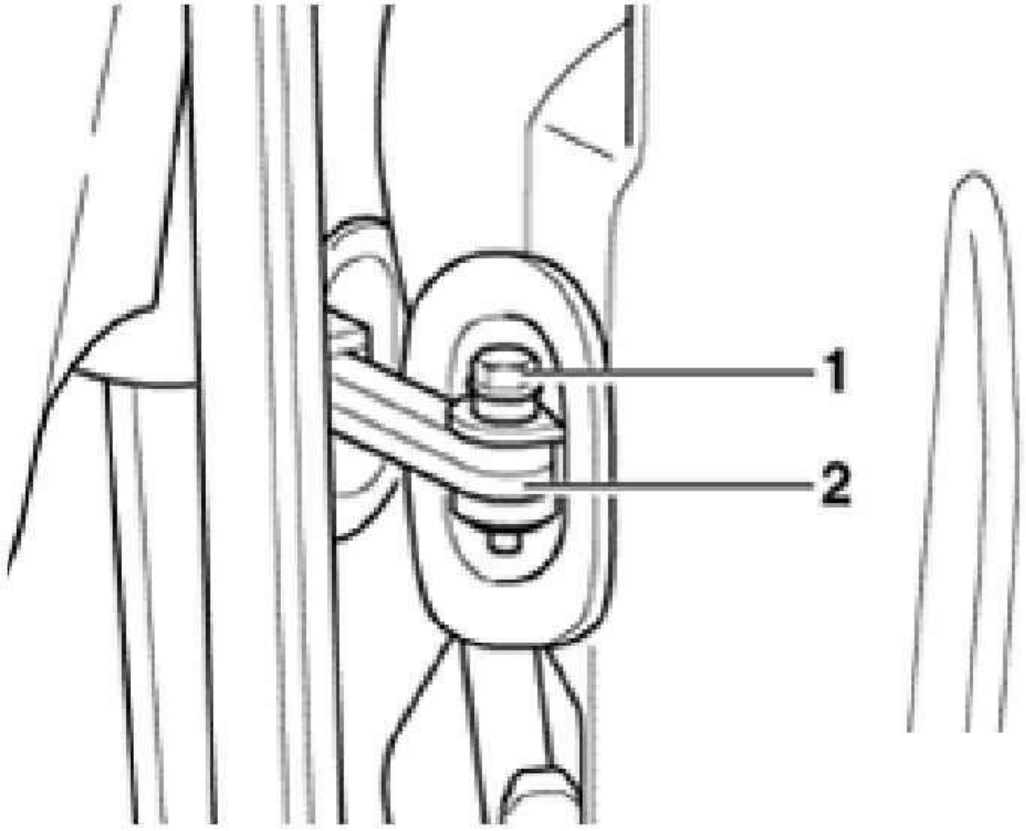



**Fig. 8: Removing Door Arrester Pin**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- To prevent damage to paint work, mask lower edge of fender -2- in area of lower hinge -3- with textile reinforced adhesive tape -1-.

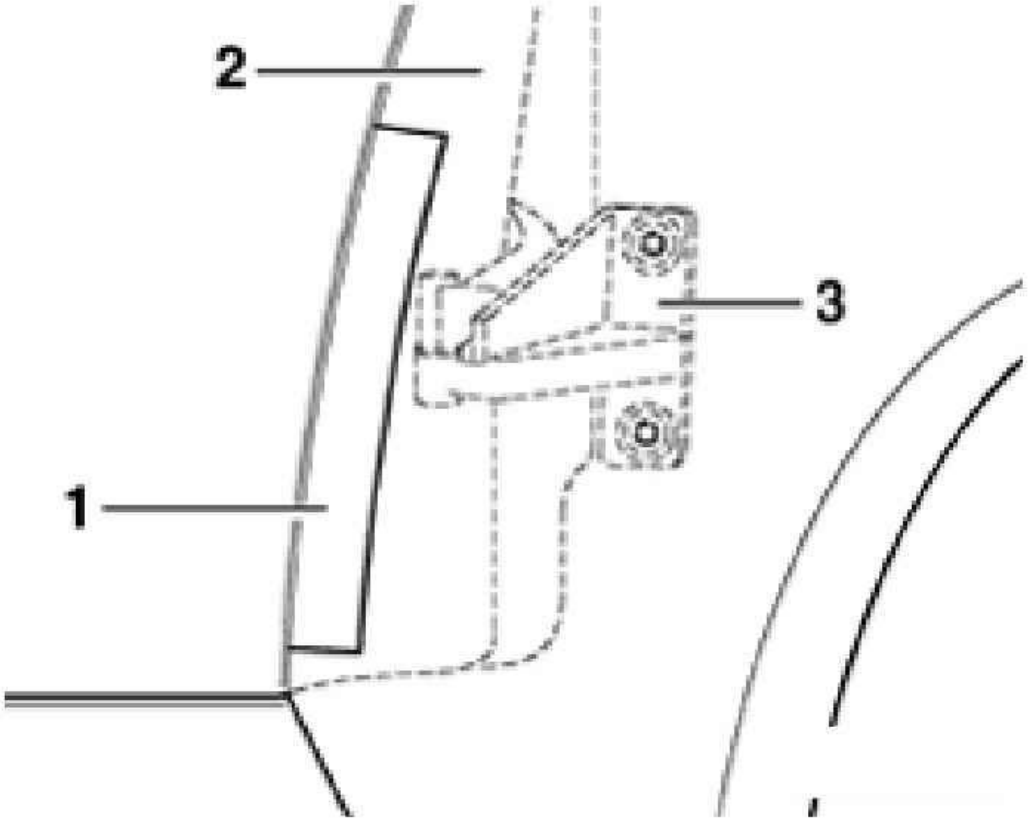



**Fig. 9: Masking Lower Edge Of Fender In Area Of Lower Hinge With Textile Reinforced Adhesive Tape**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pull cover cap -1- off grub screw on lower hinge.
- Remove grub screw -2- on lower hinge.
- Torque setting: 13 N.m.

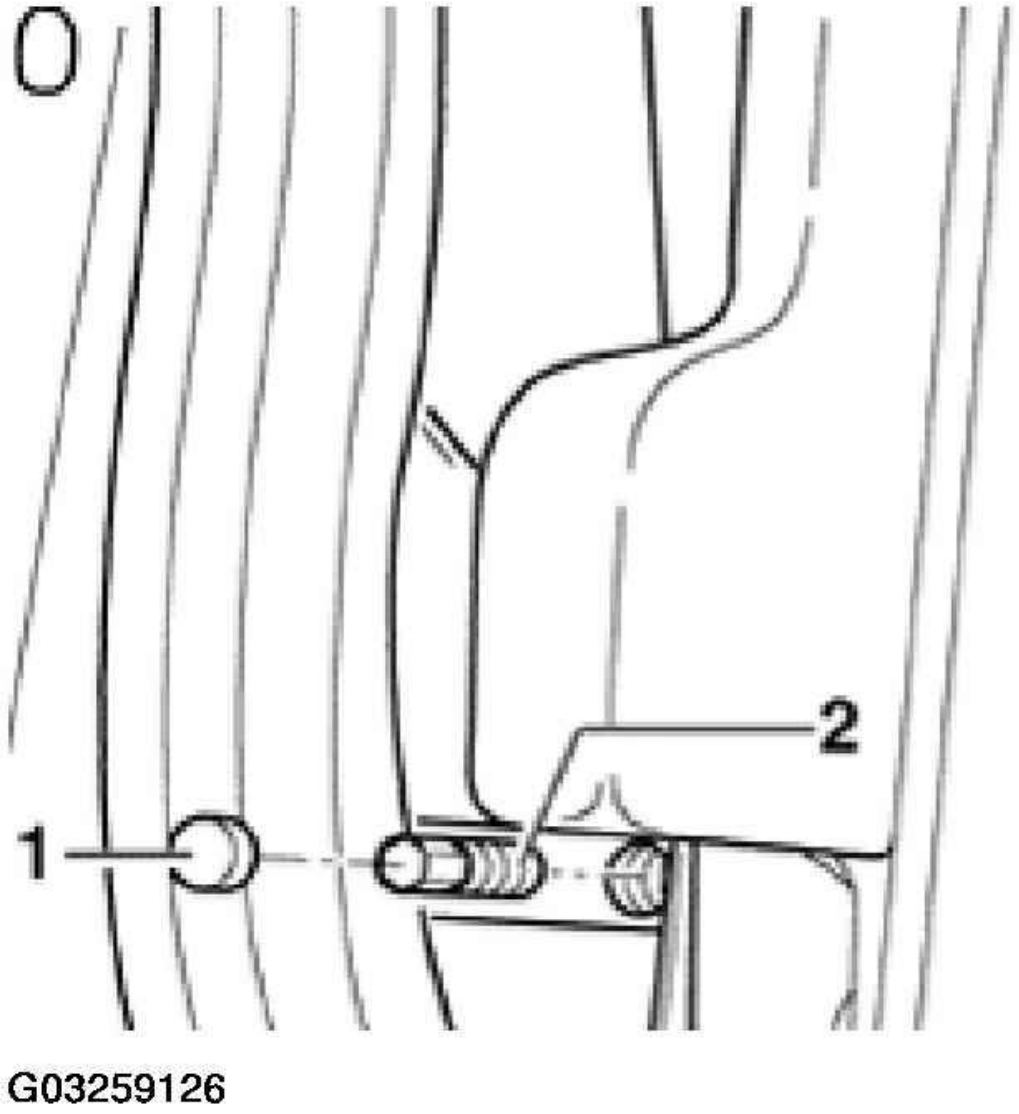



**Fig. 10: Removing Grub Screw From Lower Hinge**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

If access to the grub screw through the gap between door and A-pillar is not possible, or is extremely difficult, then proceed as follows:

- Release rear half of front wheel housing in area of A-pillar so that access to fender securing points along A-pillar is possible. See **WHEEL HOUSING LINER** .
- Remove screws -1- and nuts -2-.

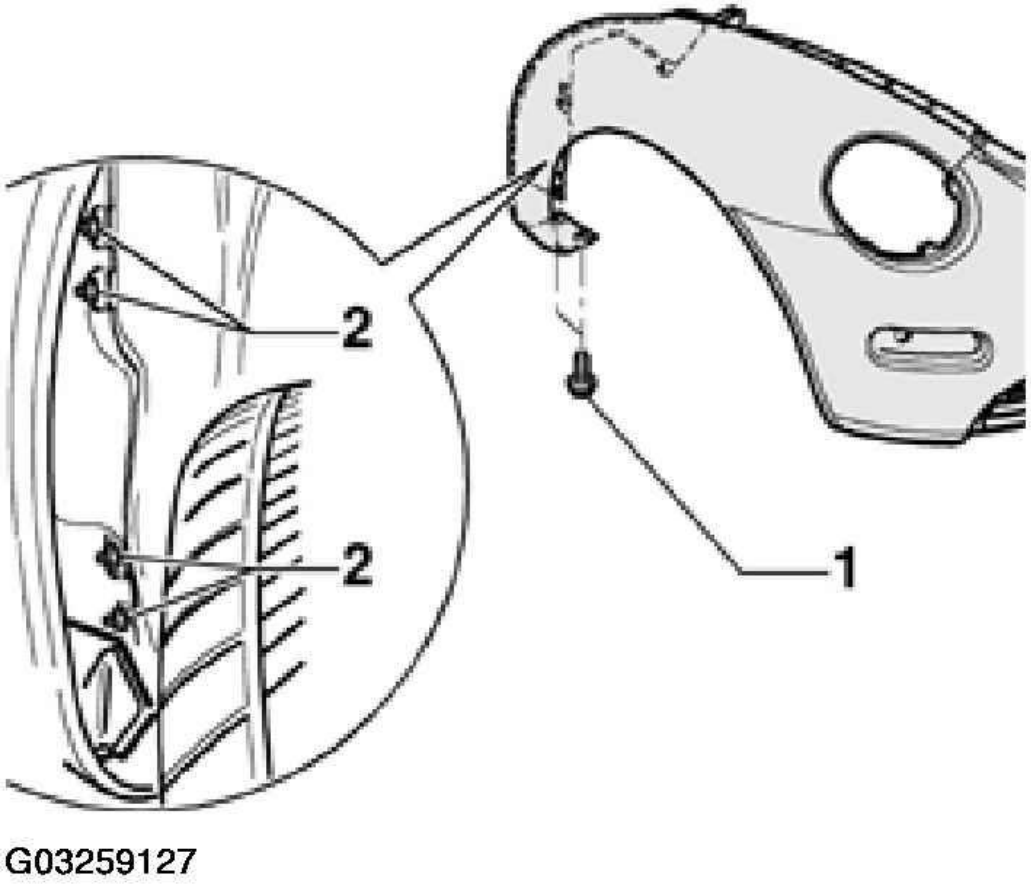



**Fig. 11: Removing Front Wheel Fender Screws And Nuts**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Carefully pull fender -1- off A-pillar -arrow- and block fender (e. g. with a plastic wedge).
- Pull cover cap off grub screw if necessary and remove grub screw -2- from lower hinge.
- Torque setting: 13 N.m.
- Remove block from fender after removing grub screw.

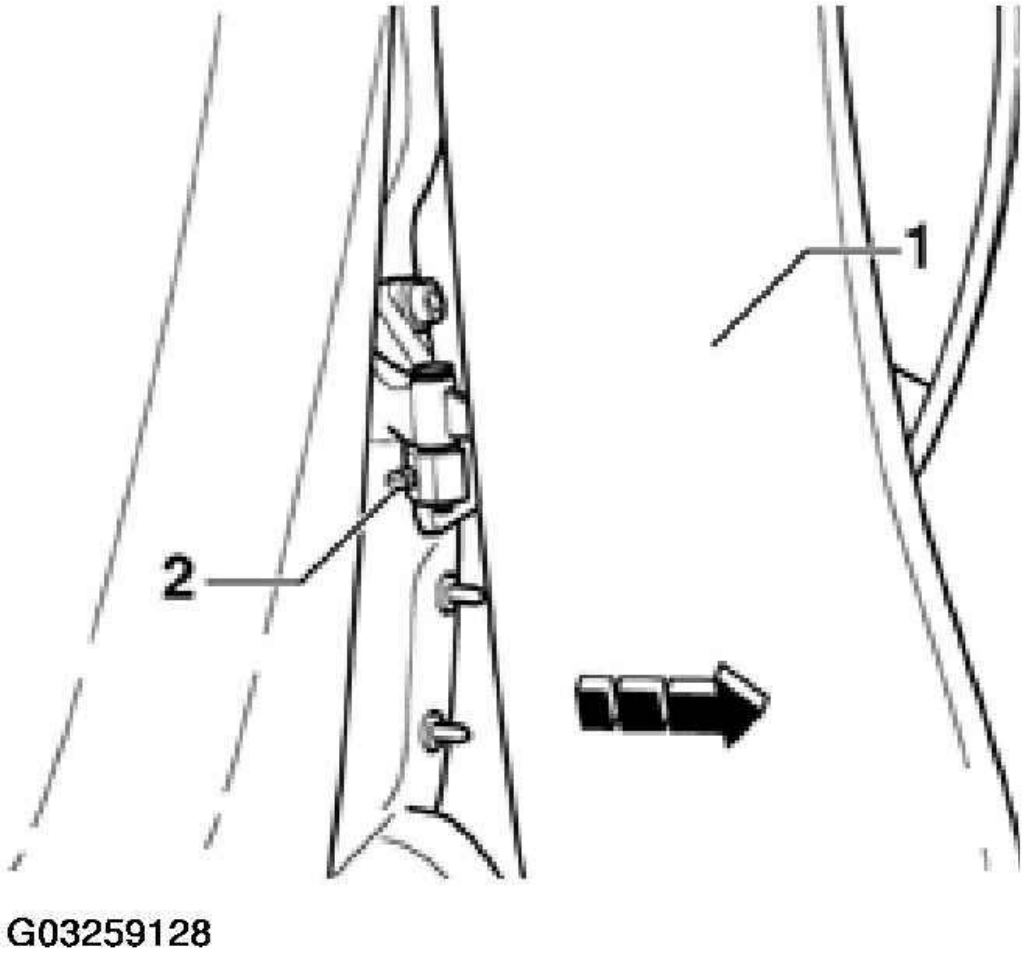



**Fig. 12: Removing Fender A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Models Up To 05.00**

- Remove bolt -1- from upper hinge.
- Torque setting: 27 N.m.
- Lift door out off hinge angled brackets upward.

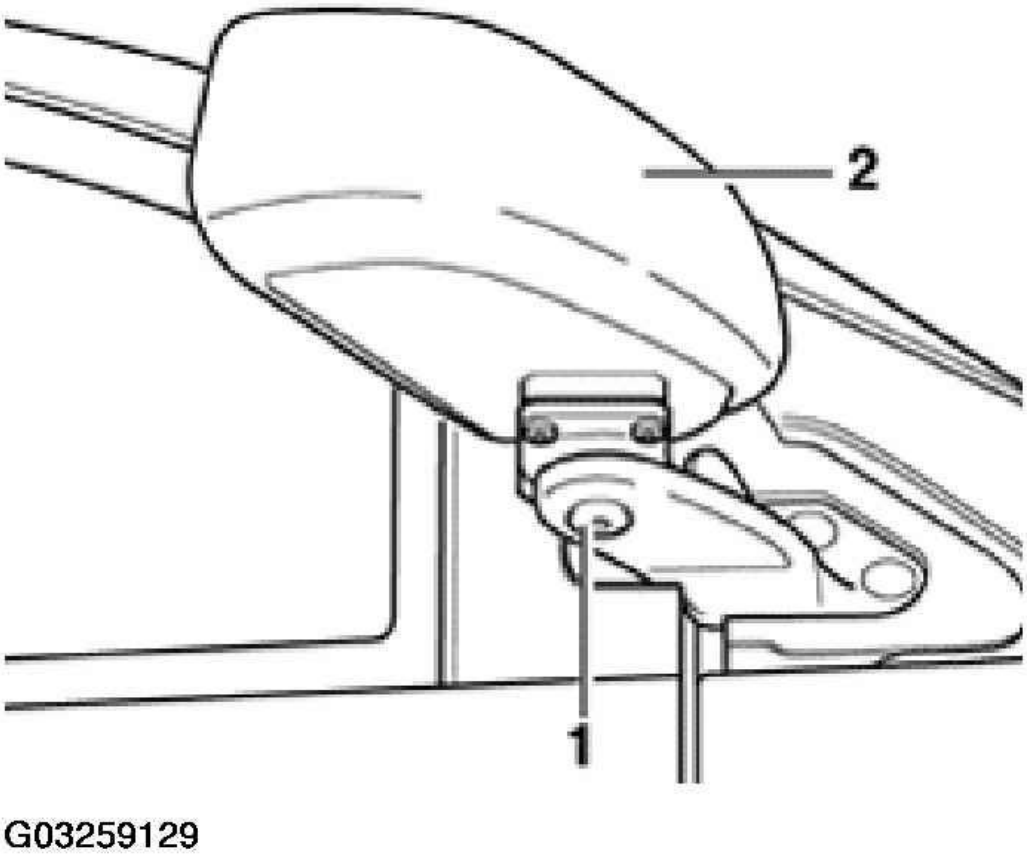



**Fig. 13: Removing Bolt From Upper Hinge (Models Up To 05.00)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: The exterior mirror -2- is removed from vehicle with door.**

**Models From 06.00 And Up**

- Remove bolt -1- from upper hinge.
- Torque setting: 27 N.m
- Lift door out off hinge angled brackets upward.

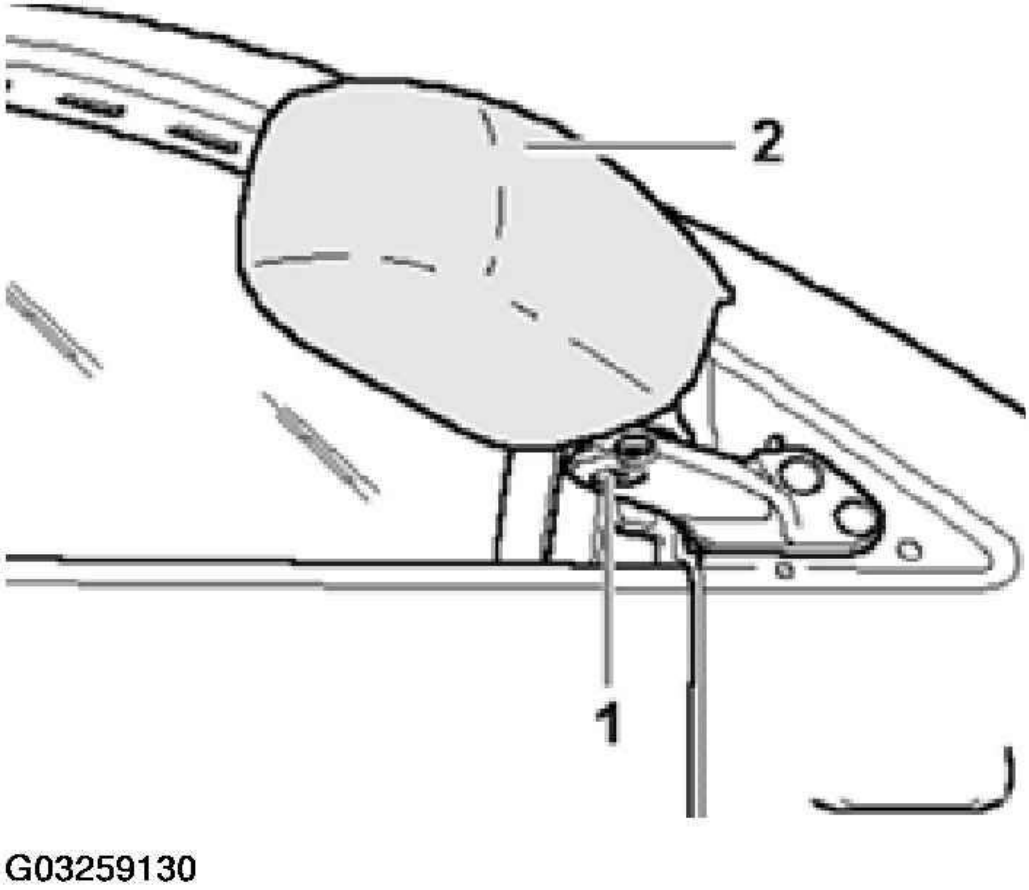



**Fig. 14: Removing Bolt From Upper Hinge (Models From 06.00 And Up)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: Exterior mirror -2- is removed from vehicle with door.**

## DOOR, REMOVING AND INSTALLING (CONVERTIBLE)

### Removing

- Remove cover -4- using a screwdriver.
- Remove screws -1- and -3- and take triangular shaped trim -2- off toward rear -arrow-.
- Remove A-pillar lower trim.

See **SILL PANEL TRIM STRIP (CONVERTIBLE), REMOVING AND INSTALLING** .

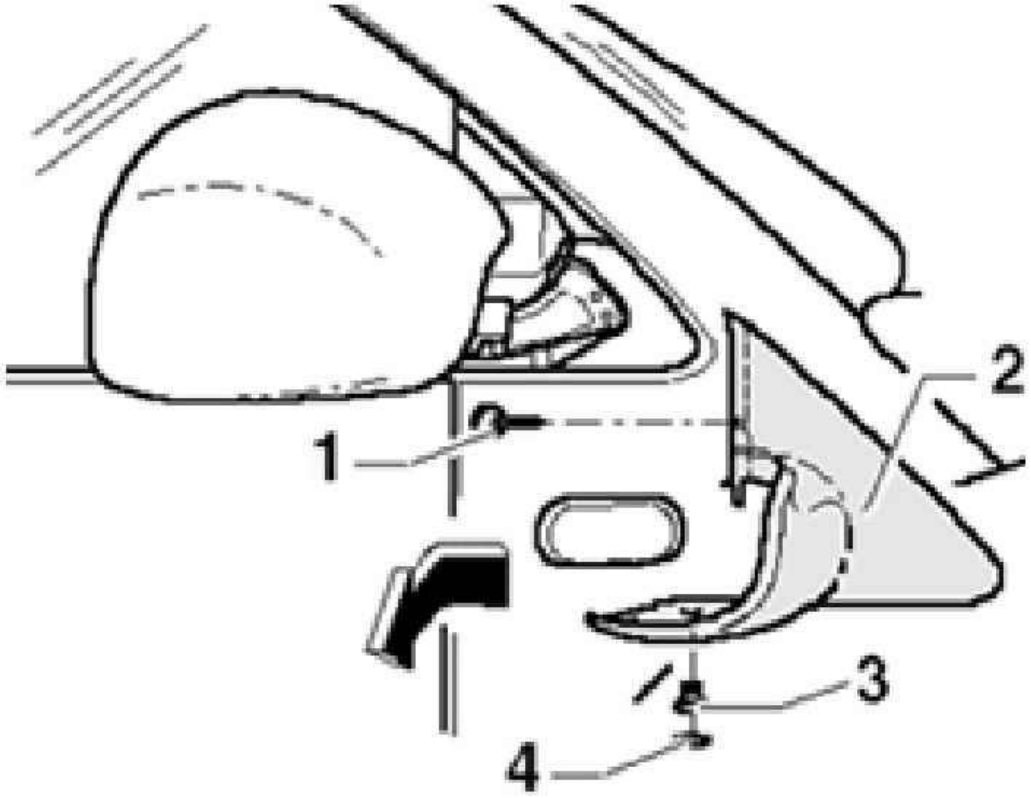



**Fig. 15: Removing Triangular Shaped Trim (Convertible)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Disconnect multi-pin connection -1- on A-pillar -2-.

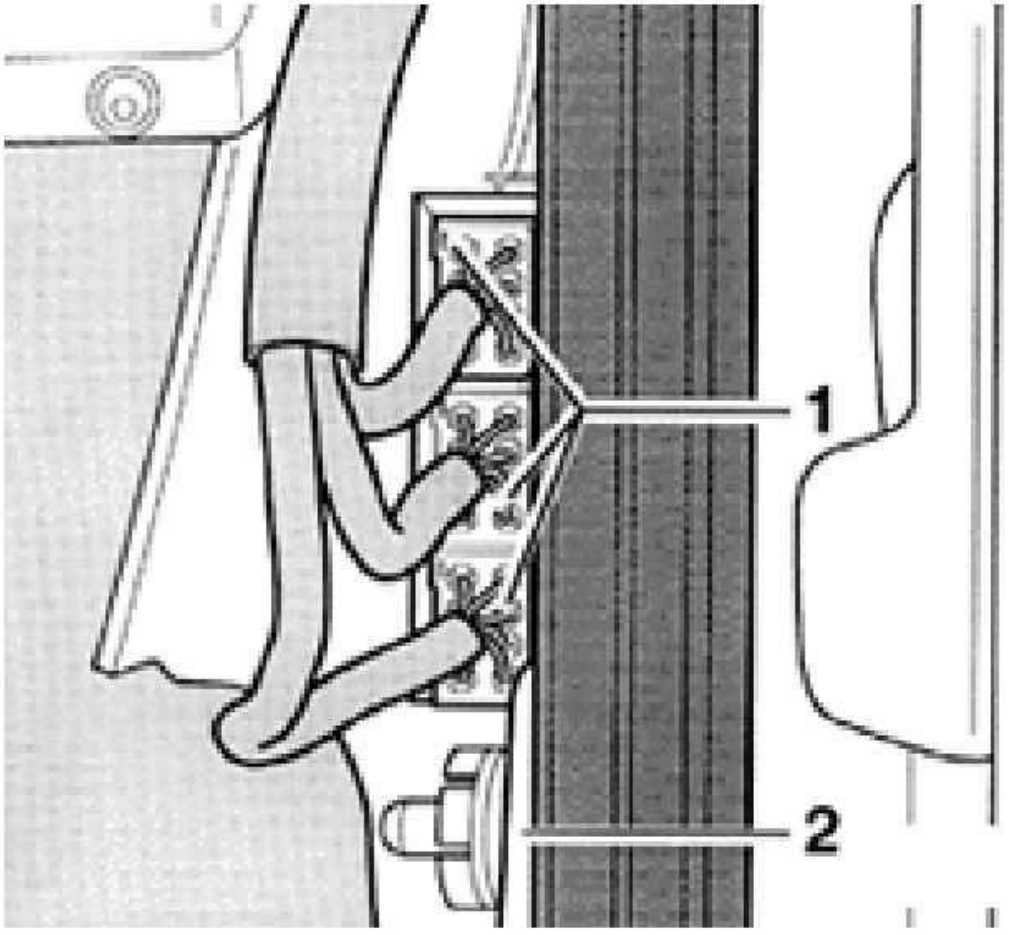



**Fig. 16: Disconnecting Multi-Pin Connection From A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Take cover -1- for wiring harness -2- out of body opening in A-pillar.

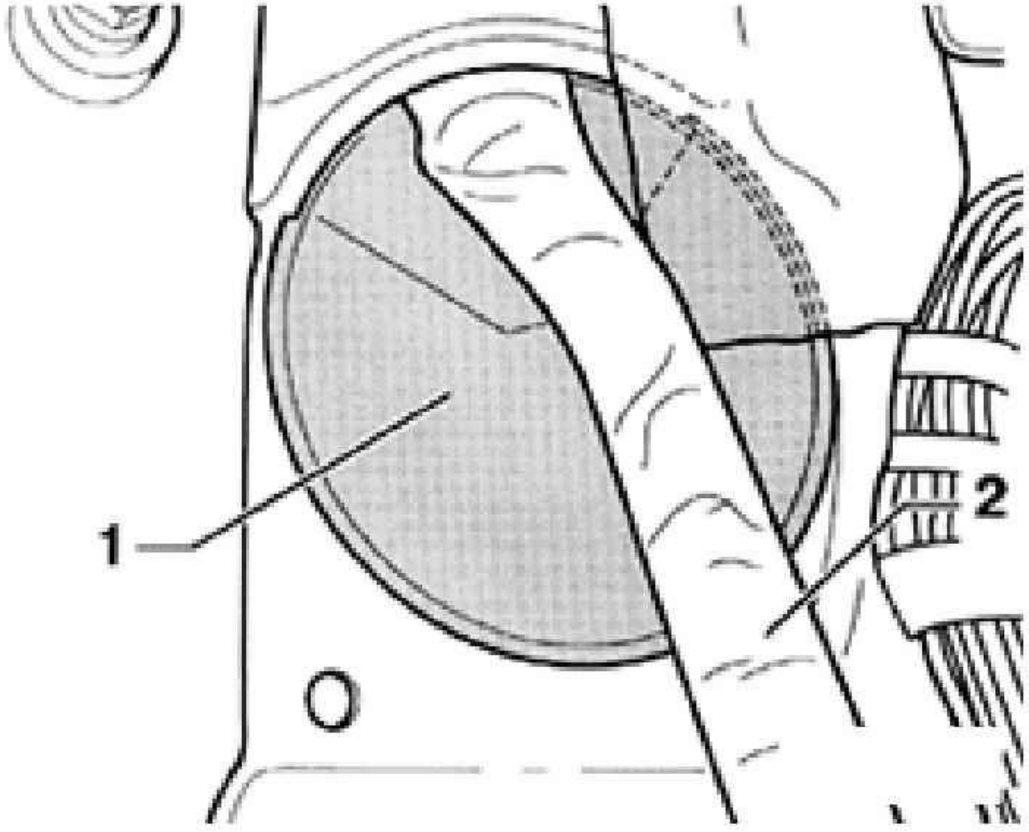



**Fig. 17: Removing Cover From Wiring Harness**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pull wiring harness out of A-pillar at boot -1- between door and A-pillar.

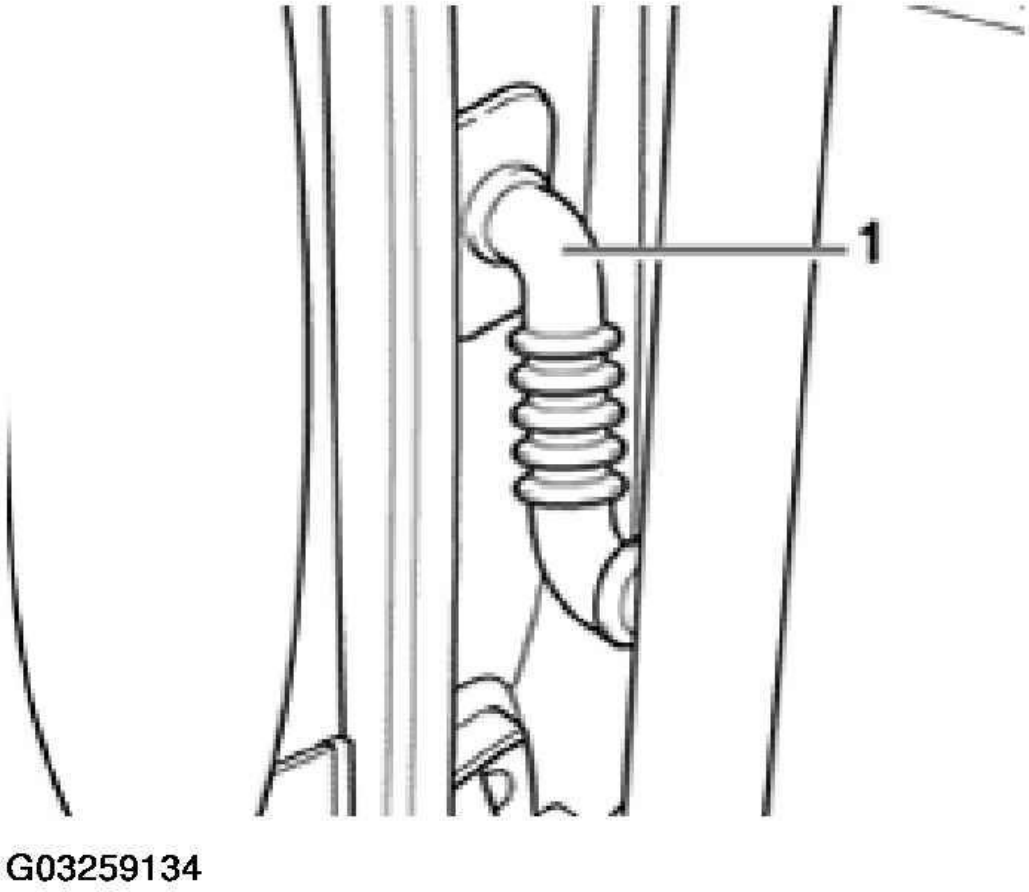



**Fig. 18: Identifying A-Pillar Boot Between Door And A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove door arrester -2- pin -1-.

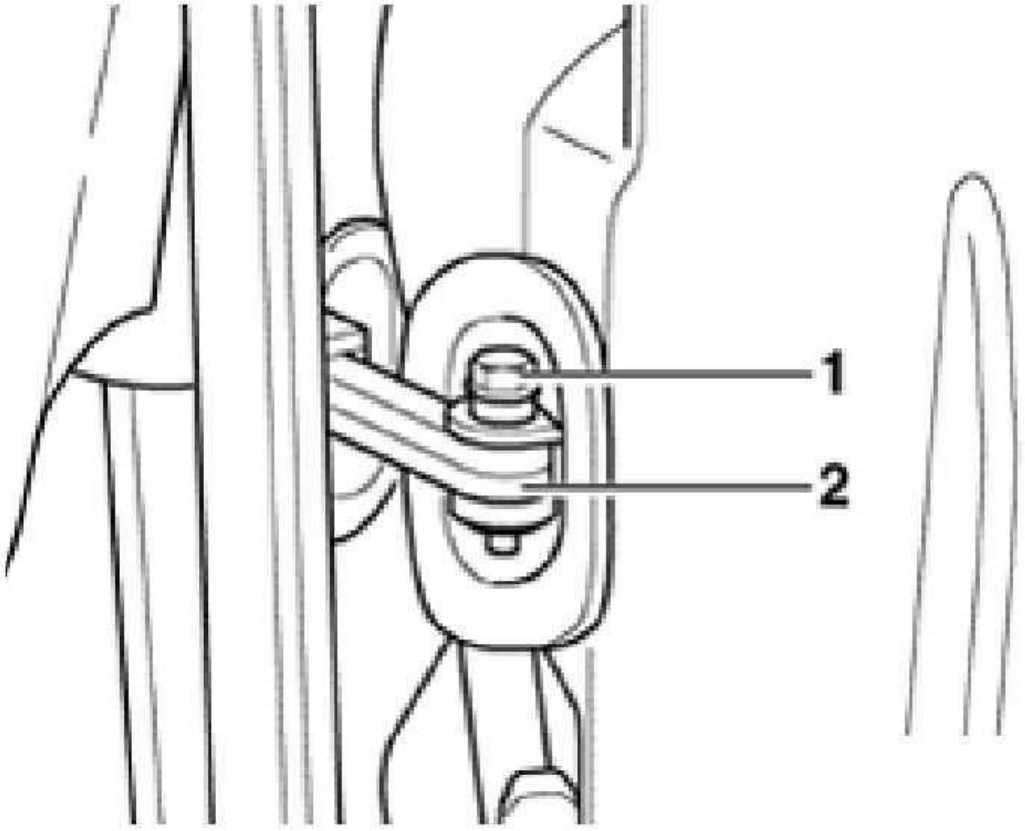



**Fig. 19: Removing Door Arrester Pin**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- To prevent damage to paint work, mask lower edge of fender -2- in area of lower hinge -3- with textile reinforced adhesive tape -1-.

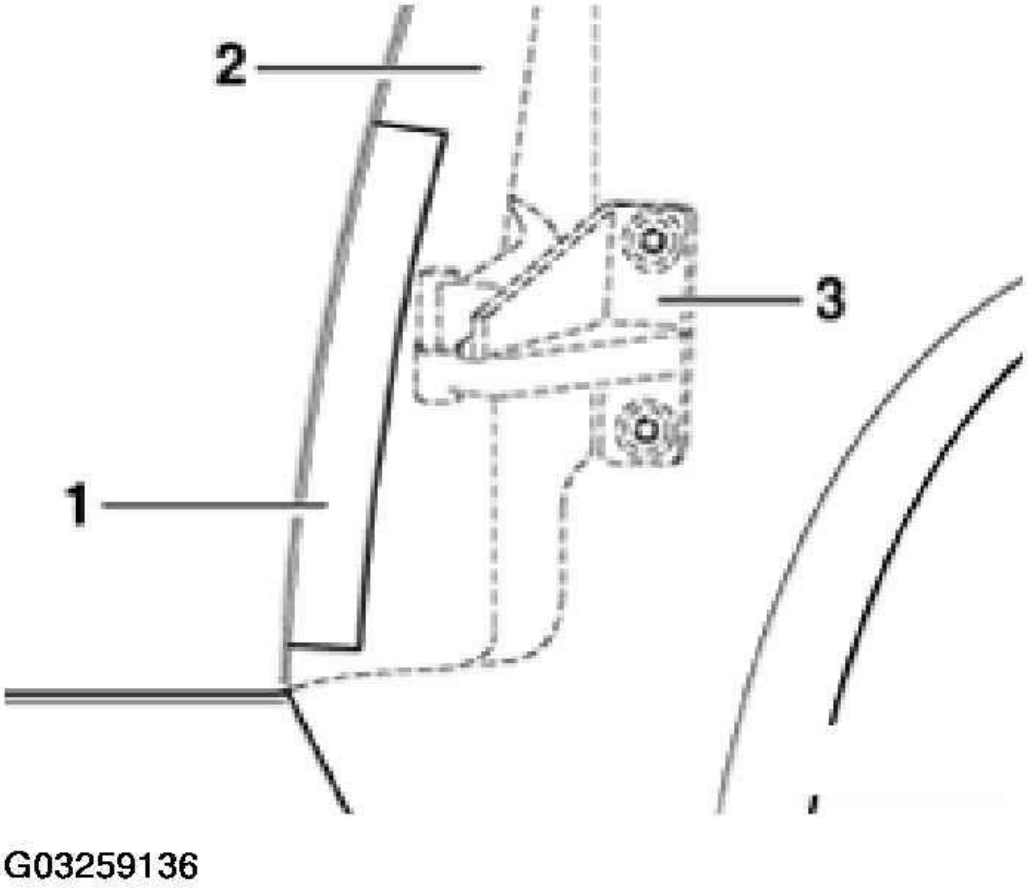



**Fig. 20: Masking Lower Edge Of Fender In Area Of Lower Hinge With Textile Reinforced Adhesive Tape**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove cover cap -1- from grub screw on lower hinge.
- Remove grub screw -2- on lower hinge.
- Torque setting: 13 N.m.

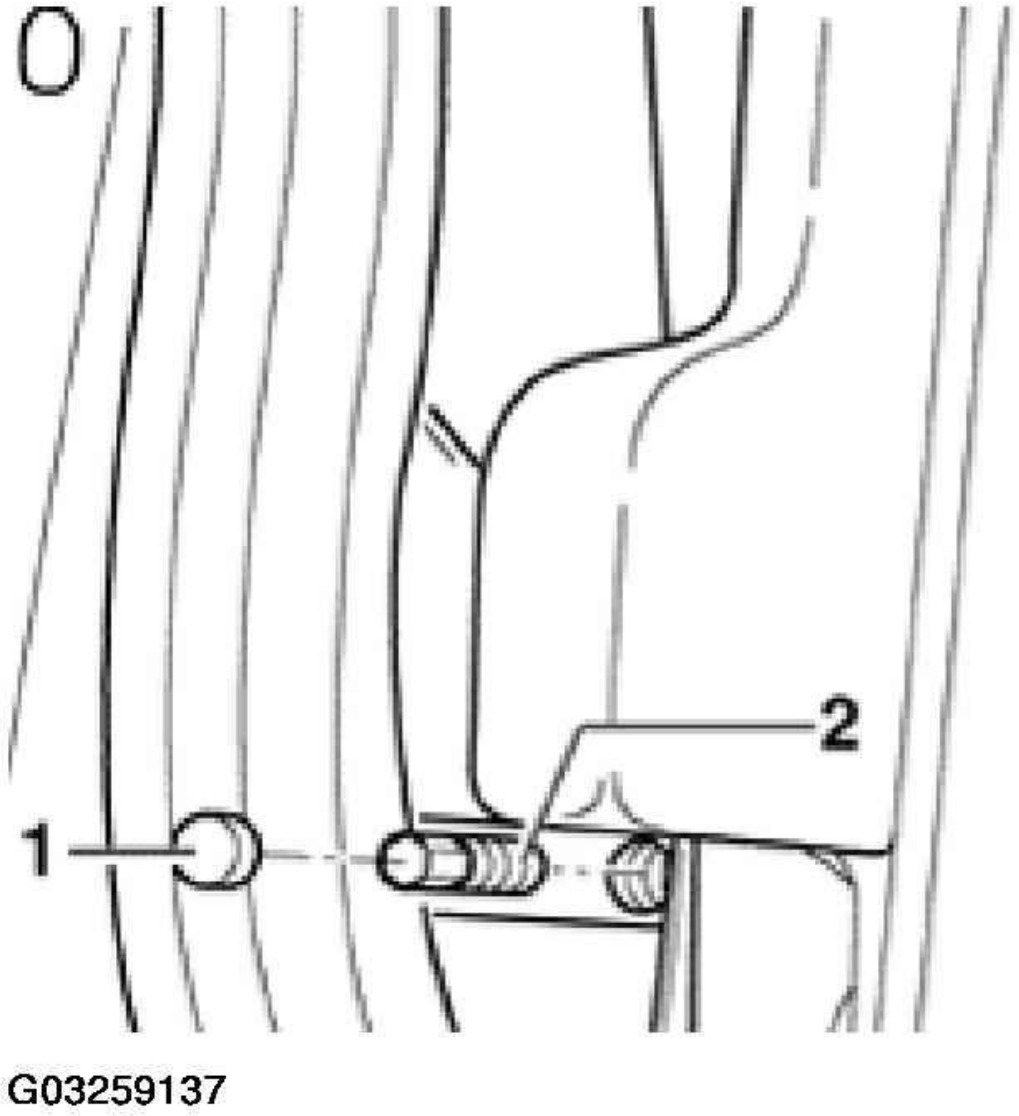



**Fig. 21: Removing Grub Screw From Lower Hinge**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

If access to the grub screw through gap between door and A-pillar is not possible, or is extremely difficult, then proceed as follows:

- Release rear half of front wheel housing in area of A-pillar so that access to fender securing points along A-pillar is possible. See **FRONT WHEEL HOUSING LINER, ASSEMBLY OVERVIEW** .
- Remove screws -1- and nuts -2-.

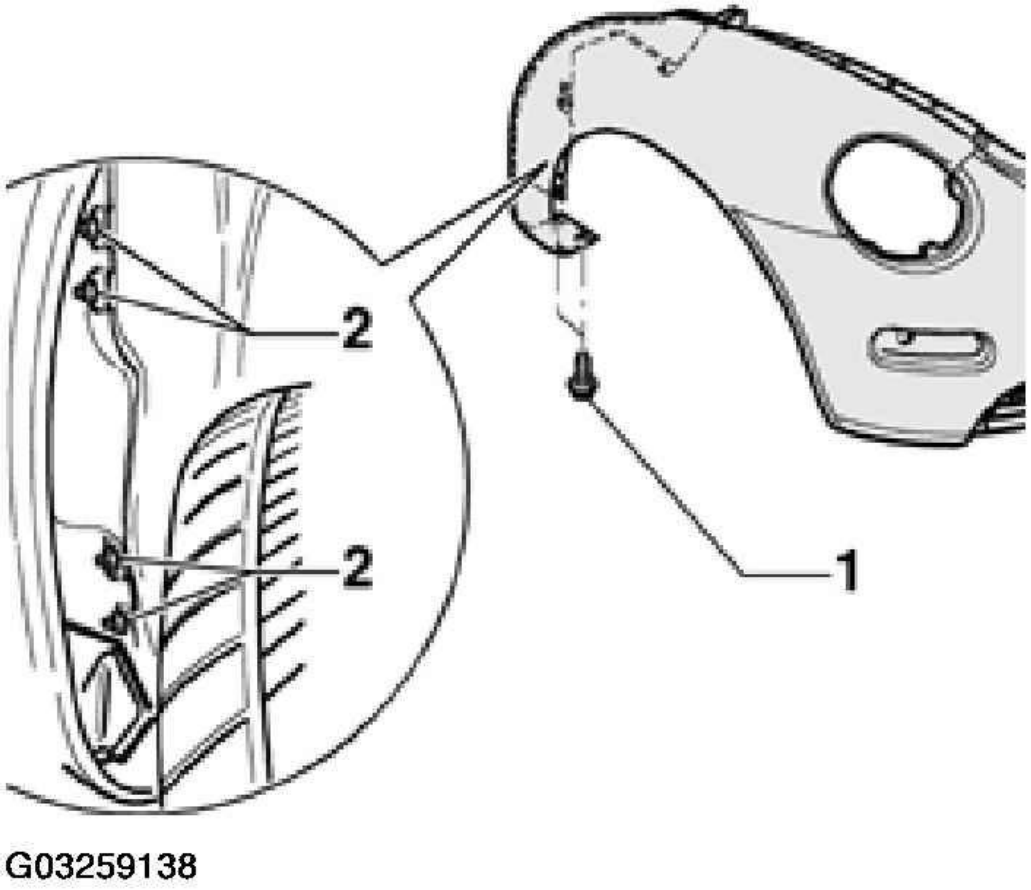



**Fig. 22: Removing Screws And Nuts From Front Wheel Fender**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Carefully pull fender -1- off A-pillar -arrow- and block fender (e. g. with a plastic wedge).
- Pull cover cap off grub screw if necessary and remove grub screw -2- from lower hinge.
- Torque setting: 13 N.m.
- Remove block from fender after removing grub screw.

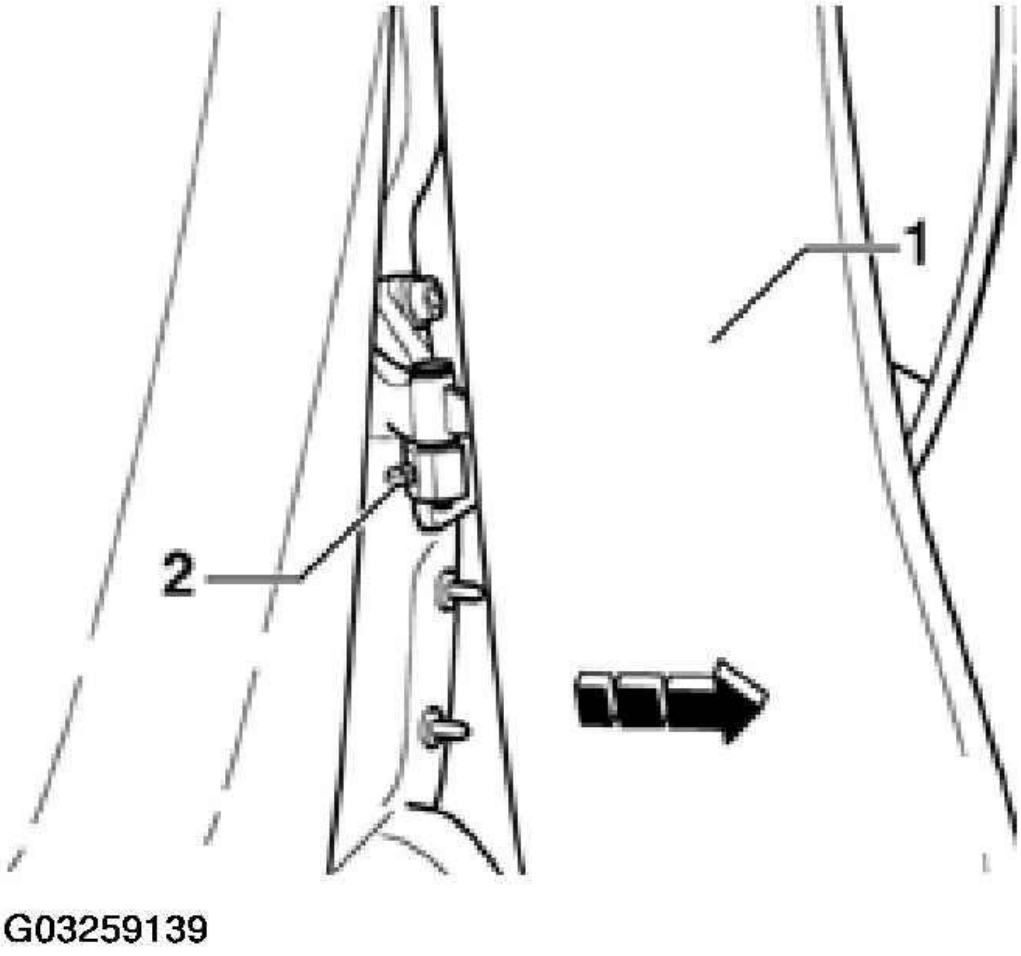



**Fig. 23: Pulling Fender From A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove bolt -1- from upper hinge.

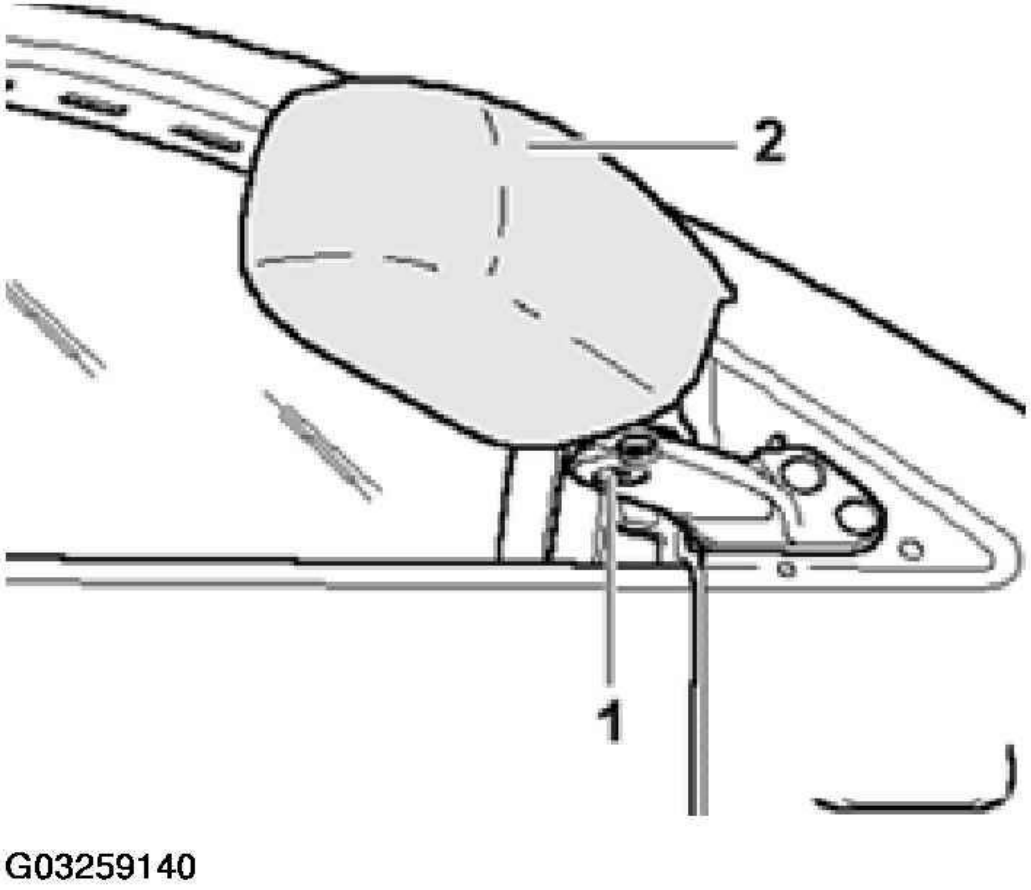



**Fig. 24: Removing Bolt From Exterior Mirror Upper Hinge**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Torque setting: 27 N.m
- Lift door out off hinge angled brackets upward.

**NOTE: Exterior mirror -2- is removed from vehicle with door.**

**Installing**

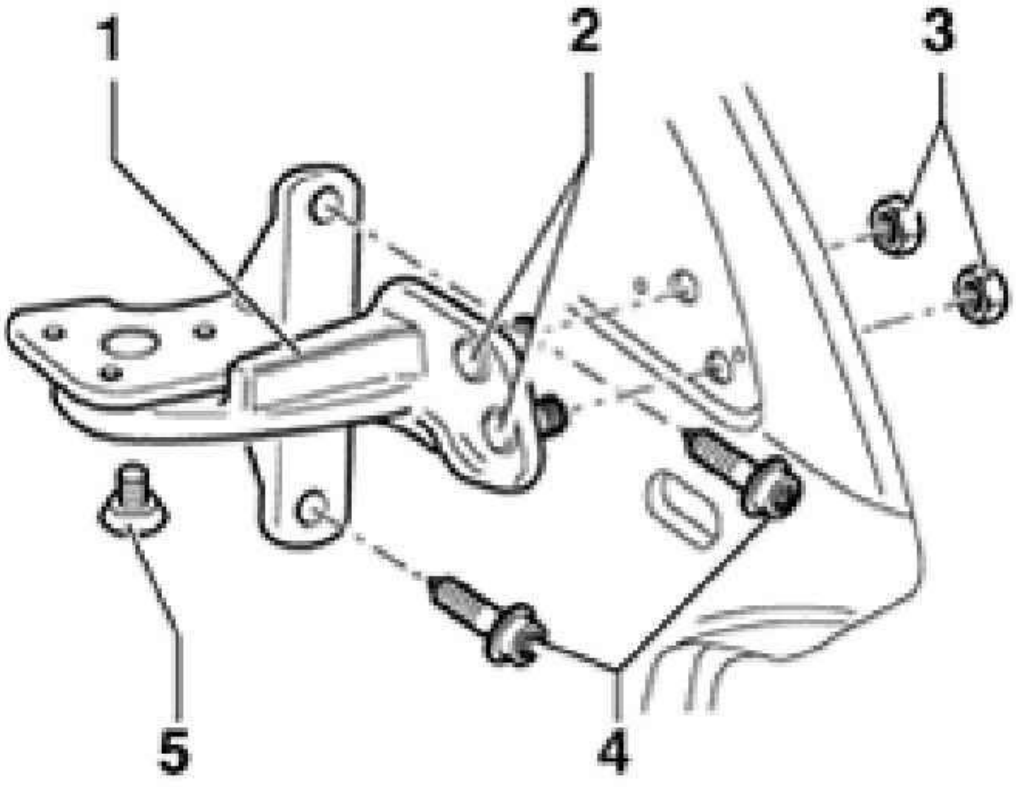
Install in reverse order of removal.

**DOOR, ADJUSTING**

Door hinges on pillar must be loosened to make sure a correct adjustment of door. Other measures such as raising door upward have no effect. When door is next over pressured door will sag again.

**Upper door hinge (Models Up To 05.00)**

1. **Door hinge** .
2. Threaded stud.
3. Nut (20 N.m + 90°).
4. Bolt (20 N.m + 90°).
5. Bolt (27 N.m).




1 - Door hinge.

2 - Threaded stud.

3 - Nut (20 Nm + 90°).

4 - Bolt (20 Nm + 90°).

5 - Bolt (27 Nm).

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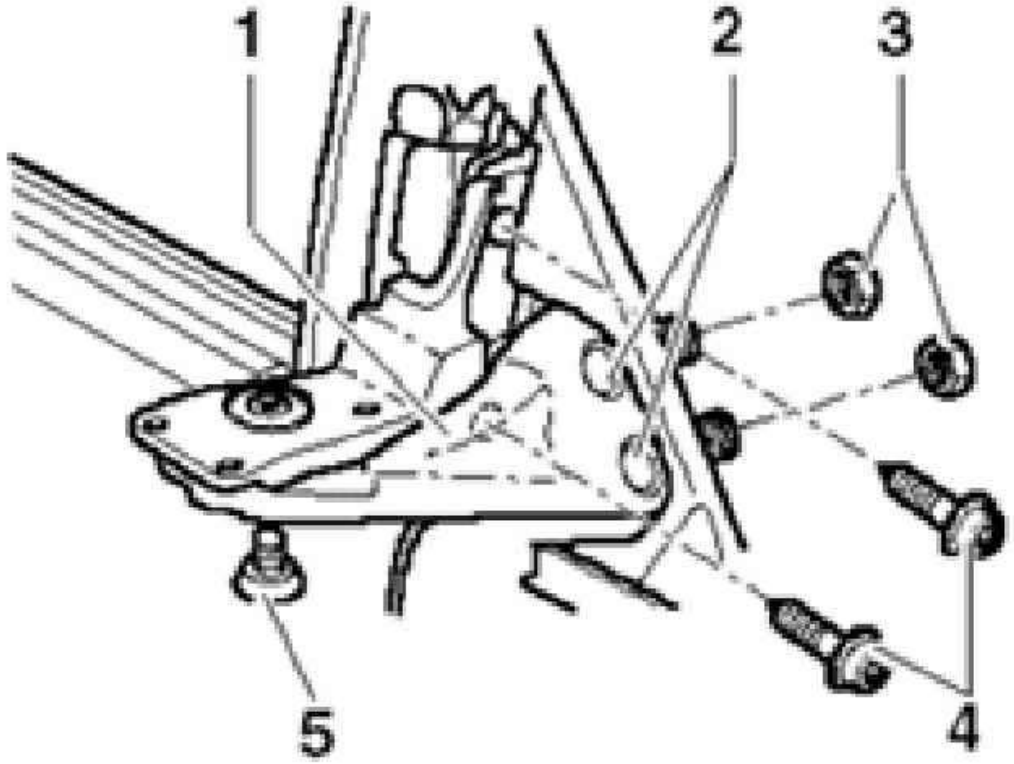
**Fig. 25: Removing Upper Door Hinge (Models Up To 05.00)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Upper door hinge (Models From 06.00 And Up)**

1. Door hinge.
2. Threaded stud.
3. Nut (20 N.m + 90°).
4. Bolt (20 N.m + 90°).
5. Bolt (27 N.m).




1 - Door hinge.

2 - Threaded stud.

3 - Nut (20 Nm + 90°).

4 - Bolt (20 Nm + 90°).

5 - Bolt (27 Nm).

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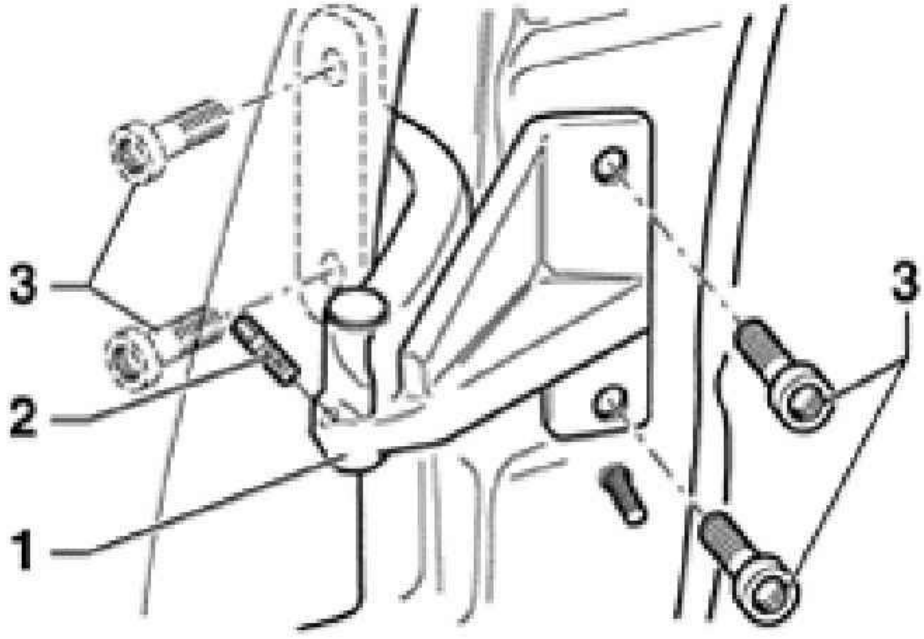
**Fig. 26: Removing Upper Door Hinge (Models From 06.00 And Up)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Lower door hinge**

1. Door hinge.
2. Grub screw (13 N.m).
3. 3-Bolt (20 N.m 4 90°).




1 - Door hinge.

2 - Grub screw (13 Nm).

3 - Bolt (20 Nm + 90 °).

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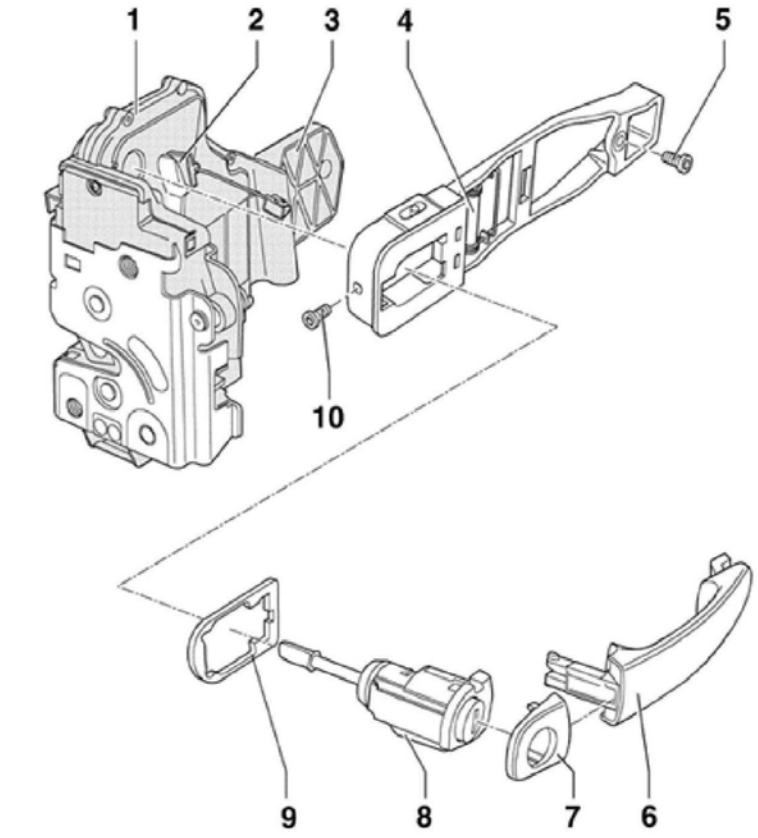
**Fig. 27: Removing Lower Door Hinge**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE:** **Always replace bolts -4- on upper hinge and -3- on lower hinge each time they are loosened. Threaded stud -2- must be replaced when corresponding nut -3- on upper hinge is loosened.**

**DOOR HANDLE AND LOCK, ASSEMBLY OVERVIEW**

1. **Door lock**
   - Door lock can only be removed in conjunction with assembly carrier.
   - Removing and installing, see **DOOR LOCK, REMOVING AND INSTALLING** .
   - Removing and installing (Convertible), see **DOOR LOCK, REMOVING AND INSTALLING (CONVERTIBLE)** .
2. **Cable**
   - Lock release.
3. **Retaining bracket**
   - Bolted and riveted to door lock.
   - Not supplied with door lock.
4. **Bearing bracket**
   - Removing and installing, see **BEARING BRACKET, REMOVING AND INSTALLING** .
5. **Multi-point socket head bolt**
   - Socket Insert T 10011.
   - 8.5 N.m.




1 - Door lock
2 - Cable
3 - Retaining bracket
4 - Bearing bracket
5 - Multi-point socket head bolt
6 - Door handle
7 - Cover cap
8 - Lock cylinder housing
9 - Backing piece
10 - Multi-point socket head bolt

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**Fig. 28: Disassembled View Of Door Handle And Lock Assembly**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

6. **Door handle**

- Removing and installing, see DOOR HANDLE, REMOVING AND INSTALLING.

7. **Cover cap**
8. **Lock cylinder housing**
   - Removing, see **LOCK CYLINDER HOUSING, REMOVING** .
   - Lock cylinder is not supplied as individual parts.
9. **Backing piece**
10. **Multi-point socket head bolt**
    - Socket Insert T 10011.
    - 4.5 N.m.
    - Loosening this bolt/screw moves locking device for lock cylinder housing -8- and lock cylinder housing -8- can then be pulled out from bearing bracket -4-.

**LOCK CYLINDER HOUSING, REMOVING**

- Pry out cover caps -1- for bolt/screw -2-.

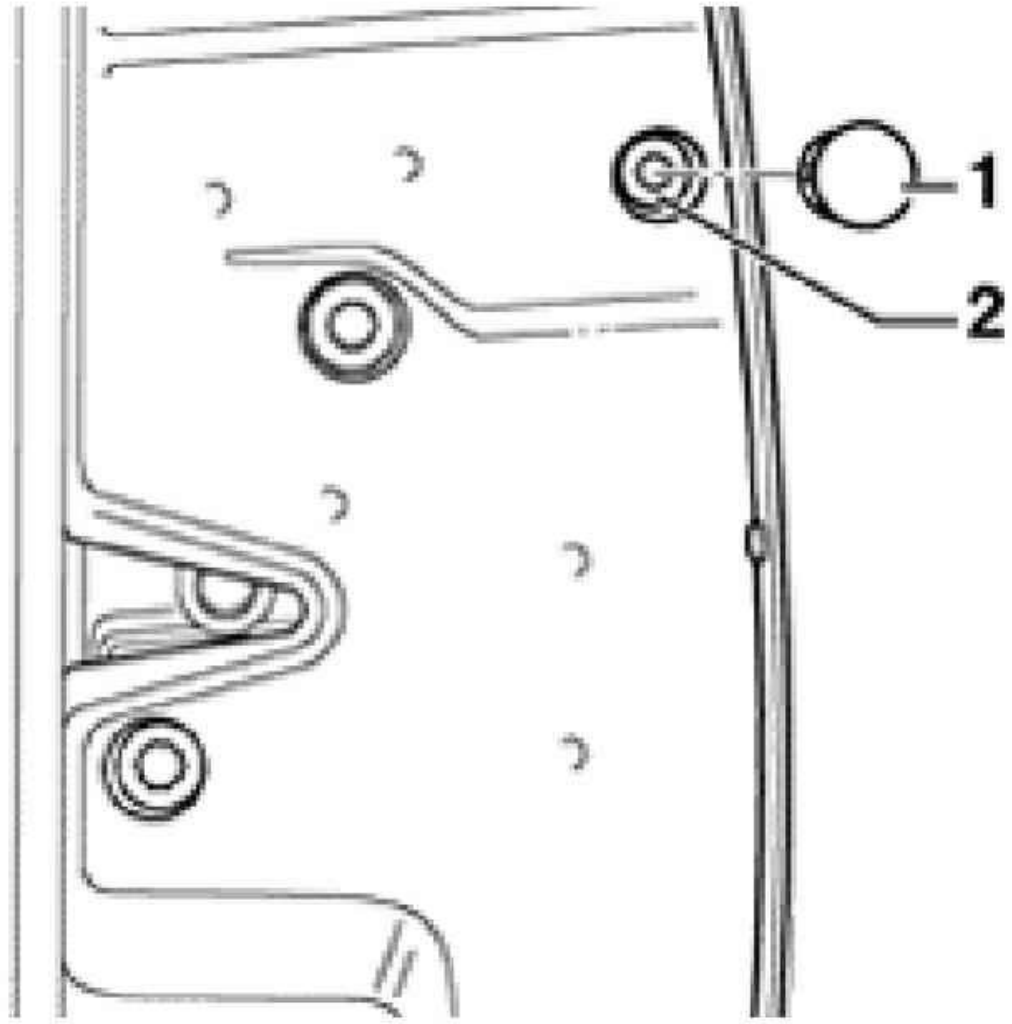


**Fig. 29: Removing Cover Caps From Lock Cylinder Housing Bolt/Screw**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Loosen bolt -1- with Socket Insert T 10011, this presses bolt -1- against bearing bracket -3- in door. (This in turn slides -arrow- locking cylinder housing locking device -4- in bearing bracket).
- Pull lock cylinder housing -2- out of door handle bearing bracket.

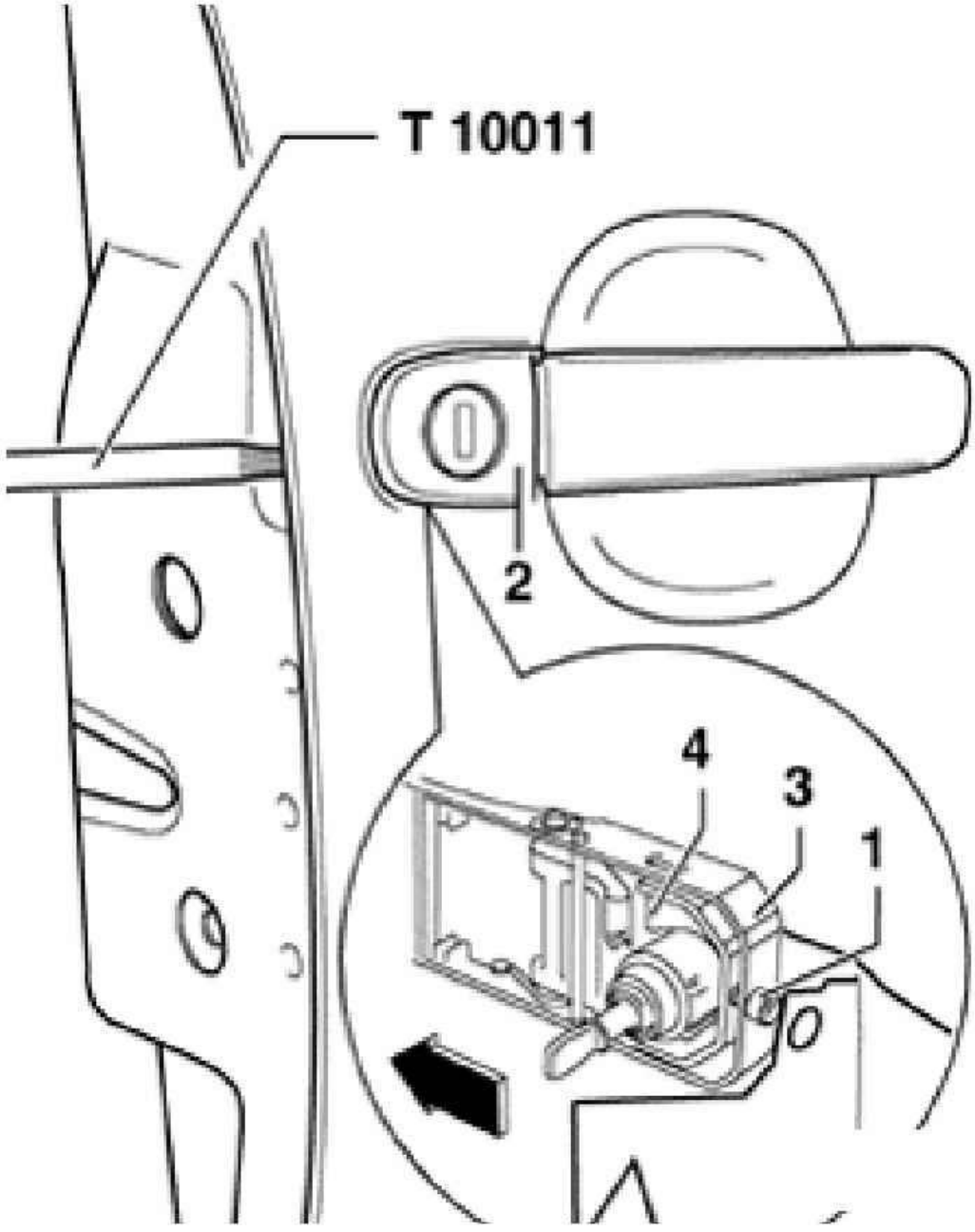


**Fig. 30: Loosening Lock Cylinder Housing Bolt With Socket Insert T 10011**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: Lock cylinder housing is released before bolt -2- is completely out of locking device -4-.**

**LOCK CYLINDER HOUSING, INSTALLING**

- Insert lock cylinder housing -2- (at right angles to door) into door handle bearing bracket.
- Tighten bolt -1- using Socket Insert T10011. (This in turn slides -arrow- locking cylinder housing locking device -4- in bearing bracket) -3-.

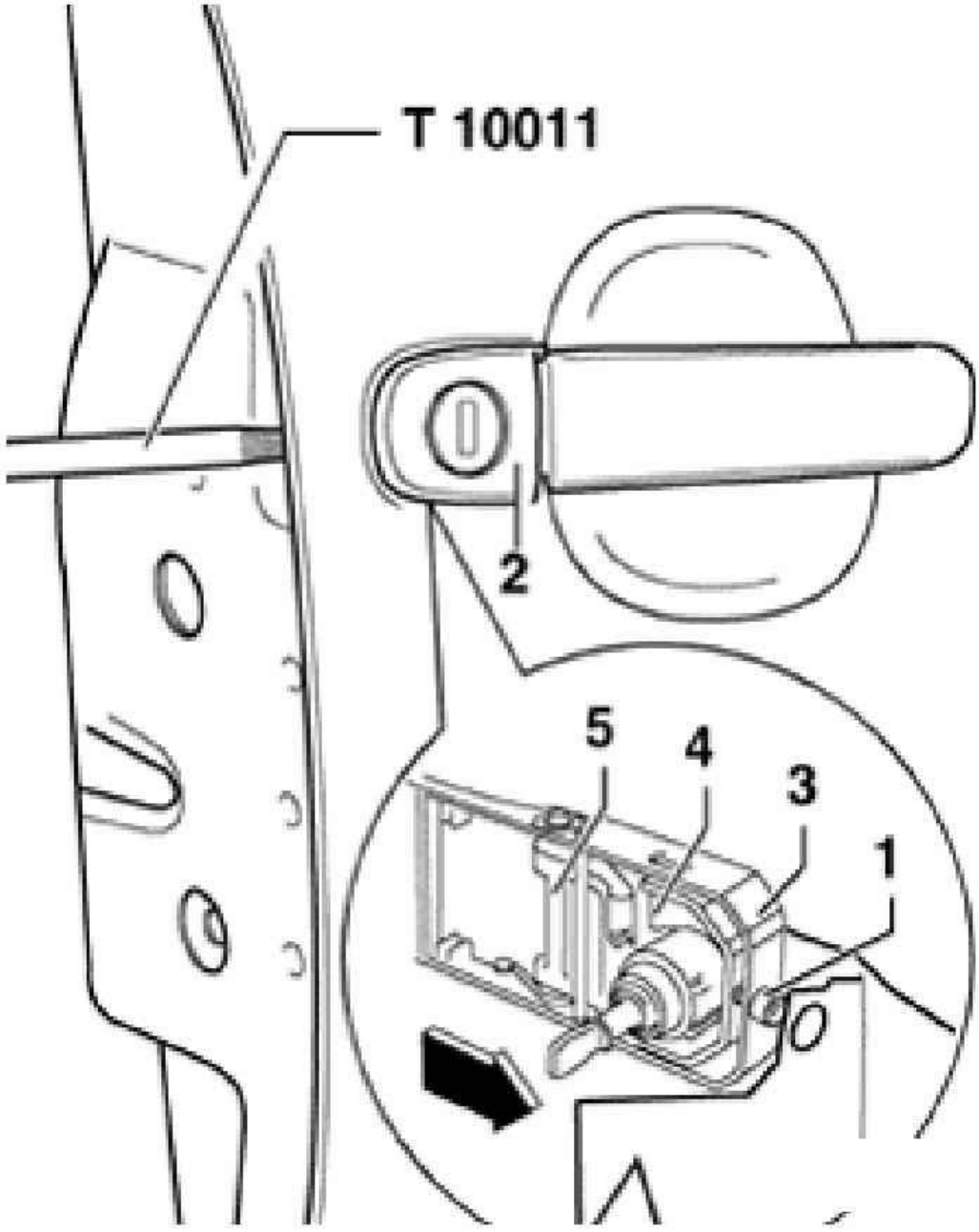


**Fig. 31: Inserting Lock Cylinder Housing Into Door Handle Bearing Bracket**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: Moving locking device -4- simultaneously releases pretensioned and blocked spring arm -5- for handle (can be heard).**

- Always perform a functional check with door open, because if adjustment is not correct and Bowden cable is not clipped in correctly door cannot be opened.

- Install cover caps -1- for bolt/screw -2-.

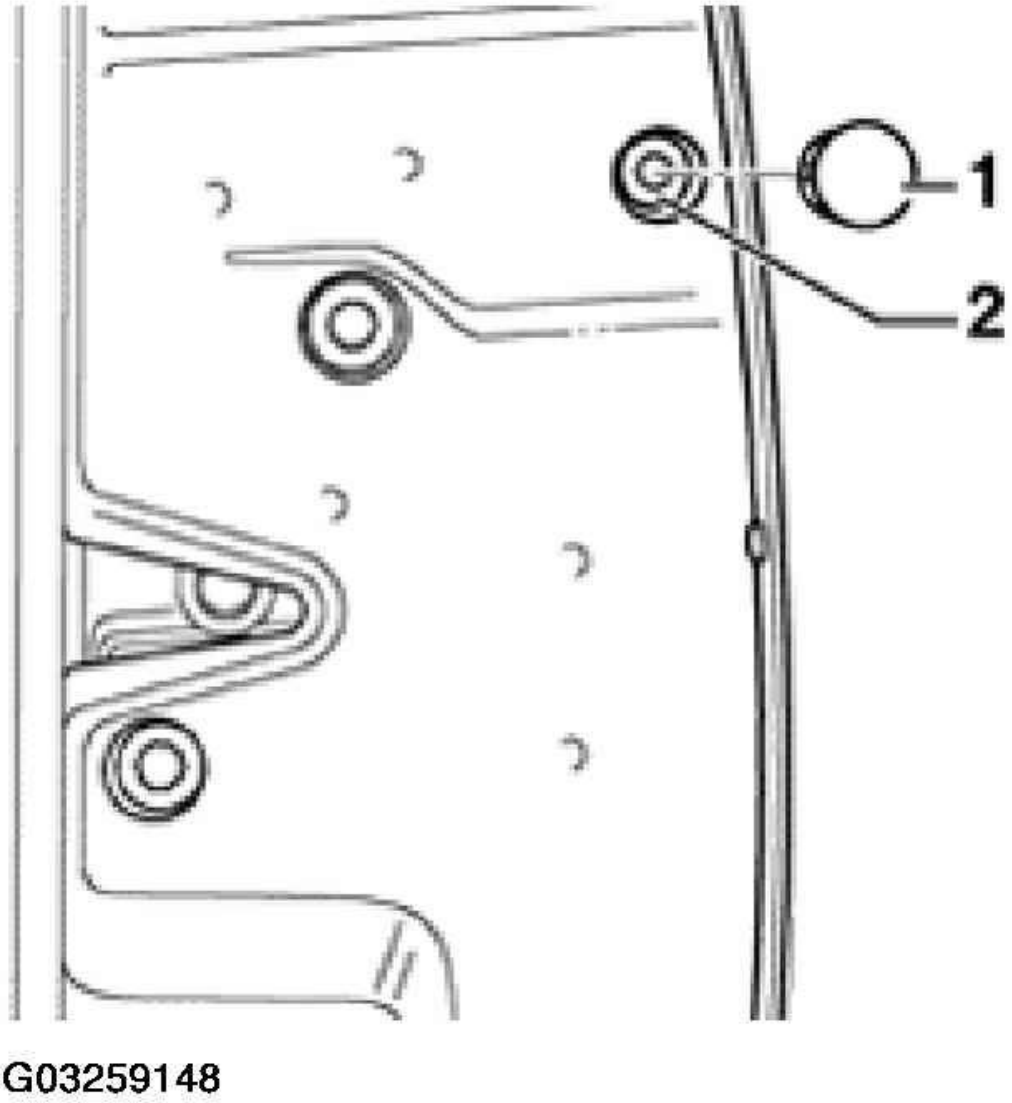


**Fig. 32: Installing Cover Caps On Lock Cylinder Housing Bolt/Screw**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

## DOOR HANDLE, REMOVING AND INSTALLING

**Removing**

- Remove lock cylinder housing. See **LOCK CYLINDER HOUSING, REMOVING** .
- Unclip clip -1- out of door handle -2-.
- Swing door handle out of door.

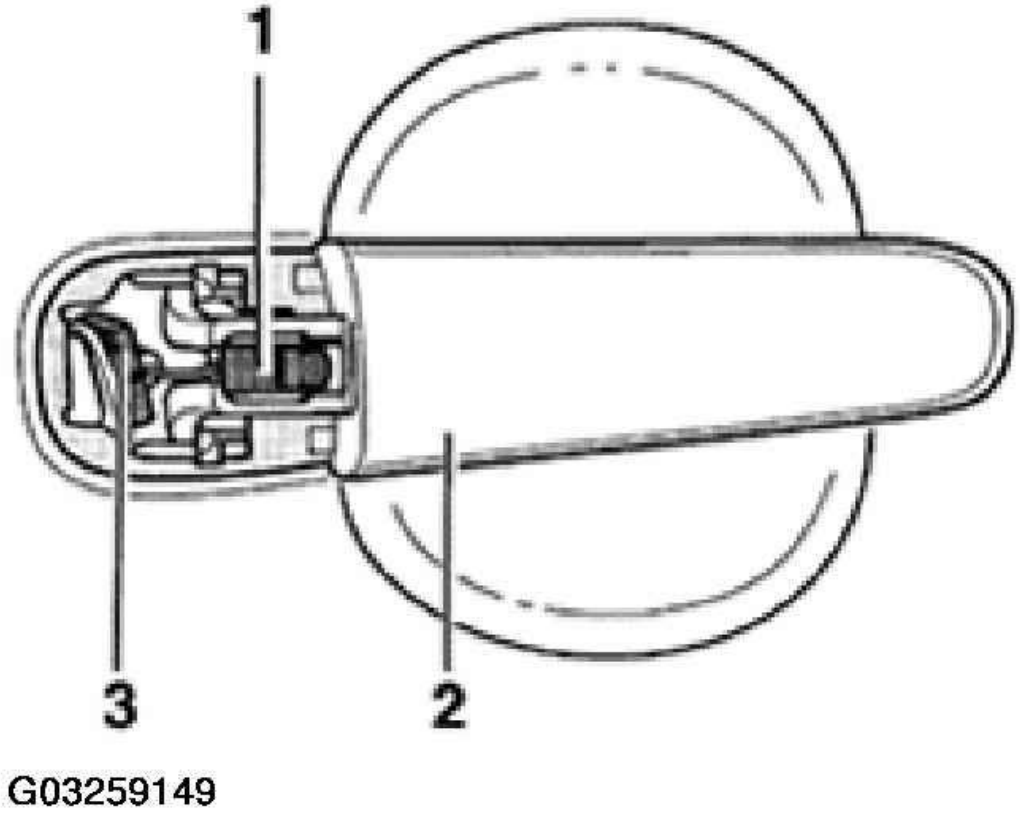


**Fig. 33: Removing Clip From Door Handle**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: Swing out door handle pretensions and block spring for door handle. (No spring action in door handle when inserting).**

**Installing**

- Swing door handle into door.

- Pull clip -1- into panel cut out and lock in door handle -2-.

**NOTE: When installing clip, do not pull lock operating lever -3- and the door handle -2- must be pressed against the door panel.**

- Installing lock cylinder housing, see **LOCK CYLINDER HOUSING, REMOVING** .

**DOOR LOCK, REMOVING AND INSTALLING**

Window regulators, door lock and loudspeaker are secured to assembly carrier.

Door lock can only be removed in conjunction with assembly carrier.

Assembly carrier can only be removed when door window pane is unscrewed from window lifter clamps. To do this lower door window to height of assembly holes in assembly carrier and loosen clamps.

If electric windows cannot be lowered then cause of malfunction must be determined first.

To do this, interrogate convenience locking system DTC memory (address word 46) using fault reader V.A.G 1551.

See **ON BOARD DIAGNOSTIC (OBD)** .

If an electrical malfunction is present, correct this first.

If it is established that electric window motor is cause of malfunction, then continue as described in **REMOVING** .

**Removing**

- Remove front door trim

  See **FRONT DOOR TRIM, REMOVING AND INSTALLING** .

- Remove lock cylinder housing, see **LOCK CYLINDER HOUSING, REMOVING** .
- Unclip clip -1- from door handle.

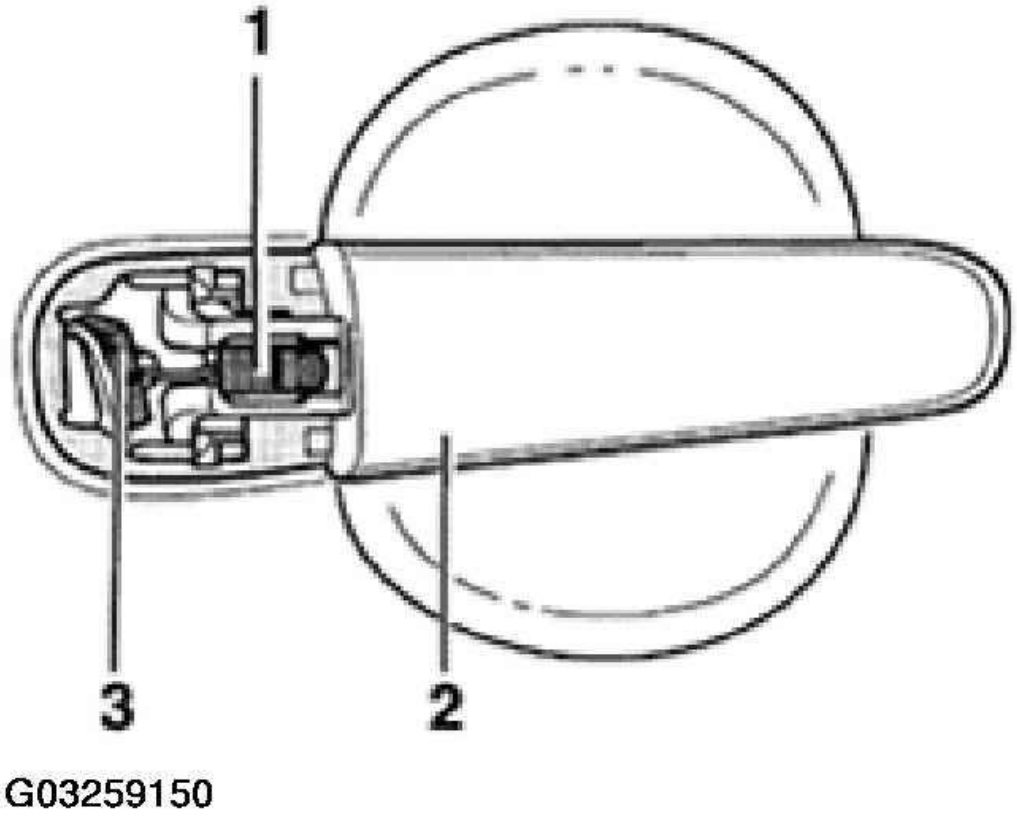


**Fig. 34: Removing Clip From Door Handle**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pry out cover caps-1-.

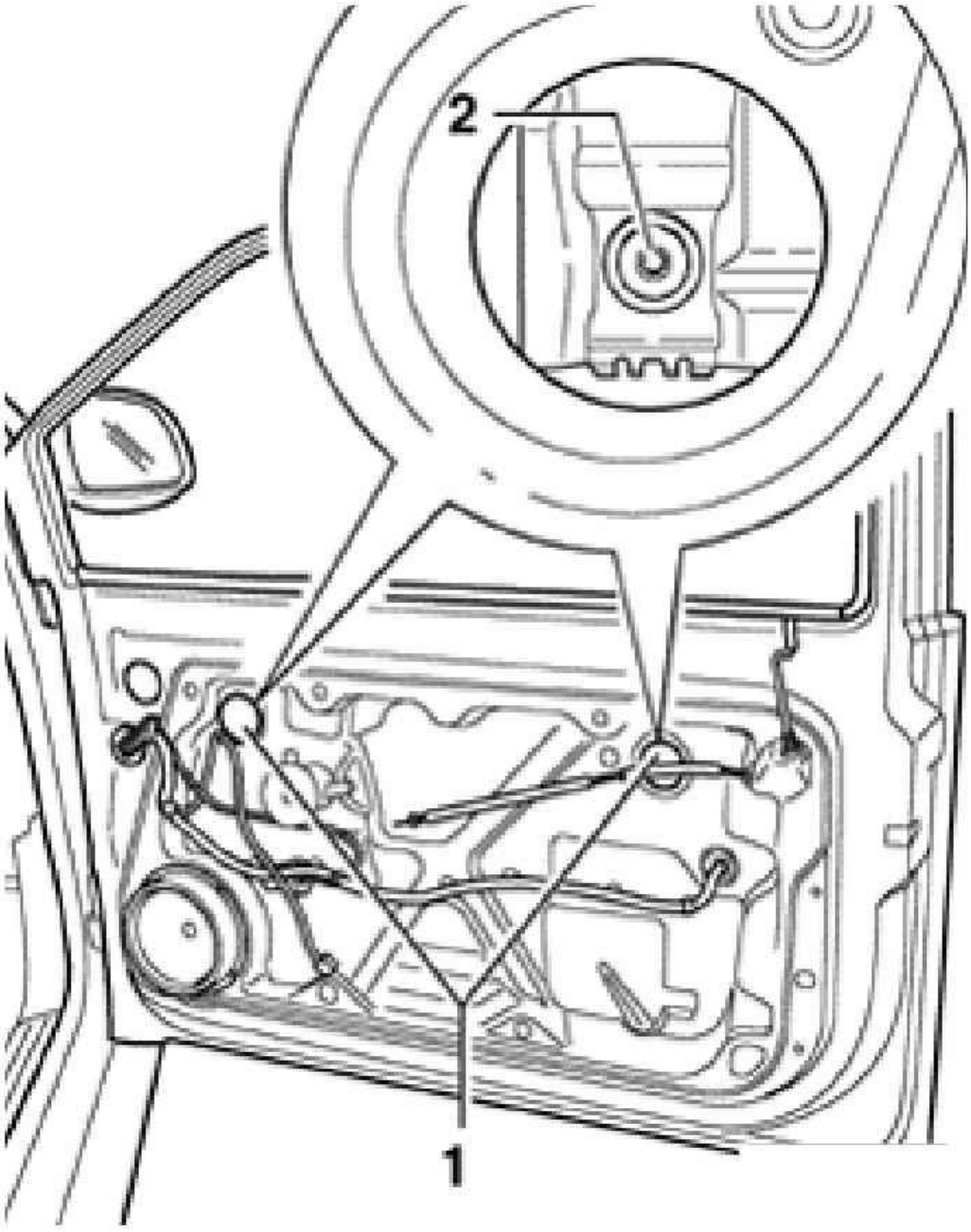


**Fig. 35: Removing Cover Caps In Door**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Lower door window until door window securing bolts/screws -2- are accessible.

**NOTE:** **If the work sequence cannot be carried out because there is a malfunction with the electric window motor, remove motor to slide window down.**

- Loosen bolts/screws -2- and press clamps apart.
- Push window upward and secure in position (e.g. with adhesive tape).
- Remove hood release lever (driver's side only). See **RELEASE LEVER, REMOVING AND INSTALLING** .
- Remove A-pillar lower trim.

  See **A-PILLAR LOWER TRIM, REMOVING AND INSTALLING** .

- Disconnect multi-pin connection -1- on A-pillar -2-.

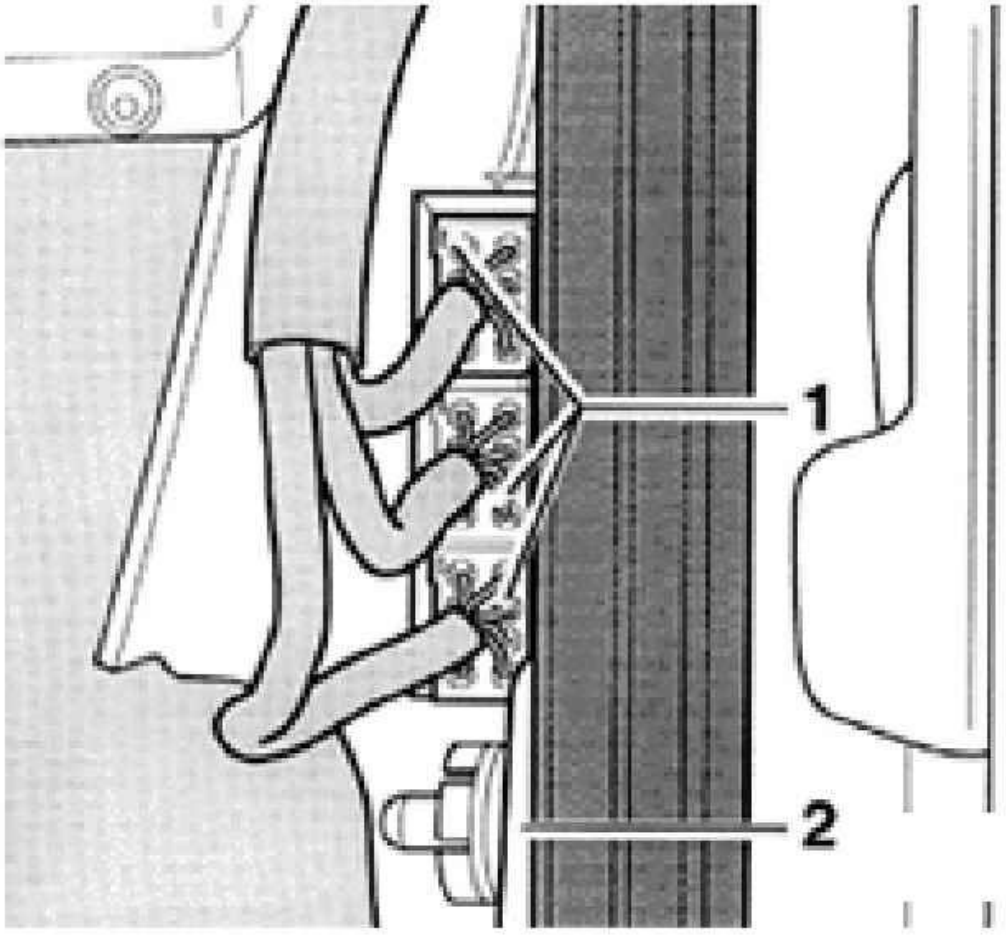


**Fig. 36: Disconnecting Multi-Pin Connection From A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove cover -1- for wiring harness -2- out of body opening in A-pillar.

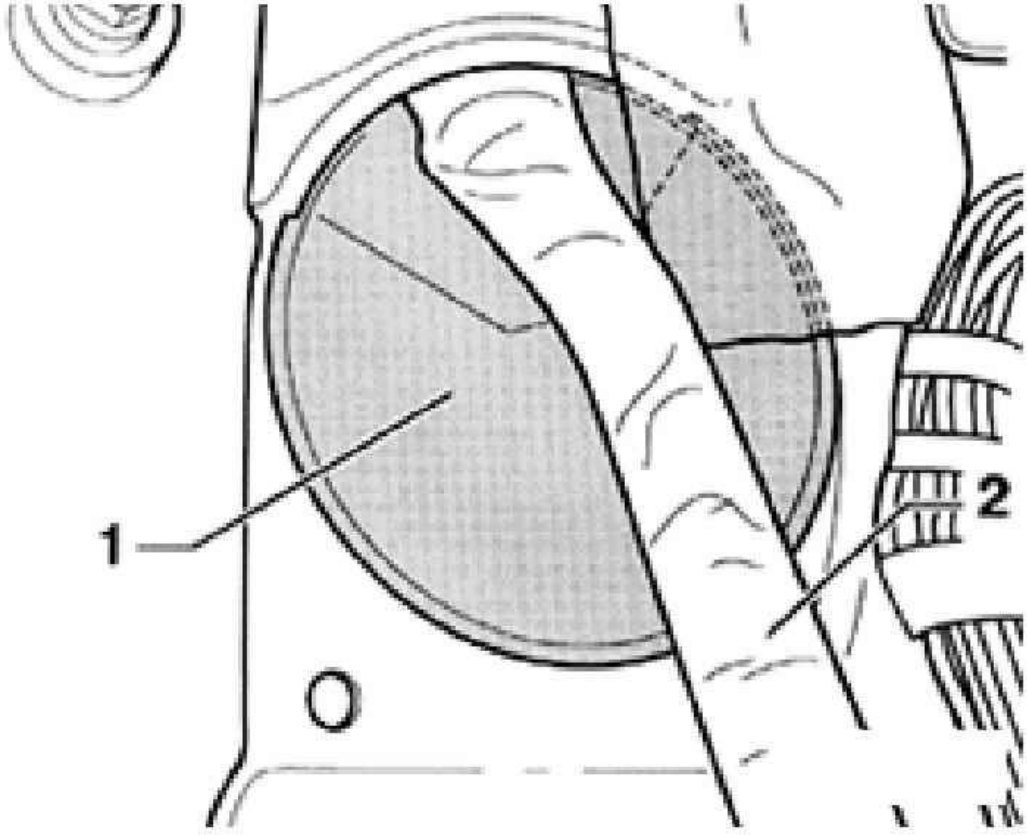


**Fig. 37: Removing Cover From Wiring Harness In A-Pillar**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pull wiring harness out of A-pillar at boot -1- between door and A-pillar.

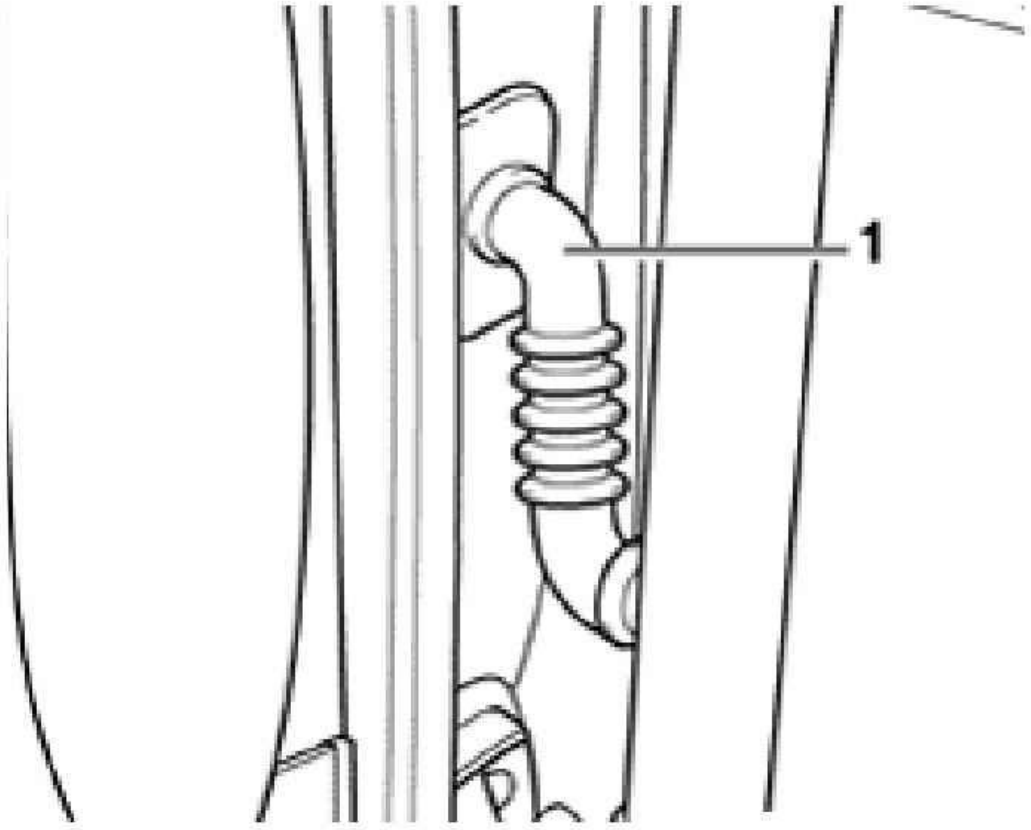


**Fig. 38: Identifying A-Pillar Boot**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Disconnect connection for exterior mirror -arrow- and unhook wiring from assembly carrier.
- Remove screw -1- and remove wiring harness guide -2- from door.
- Guide wiring harness with boot through door.

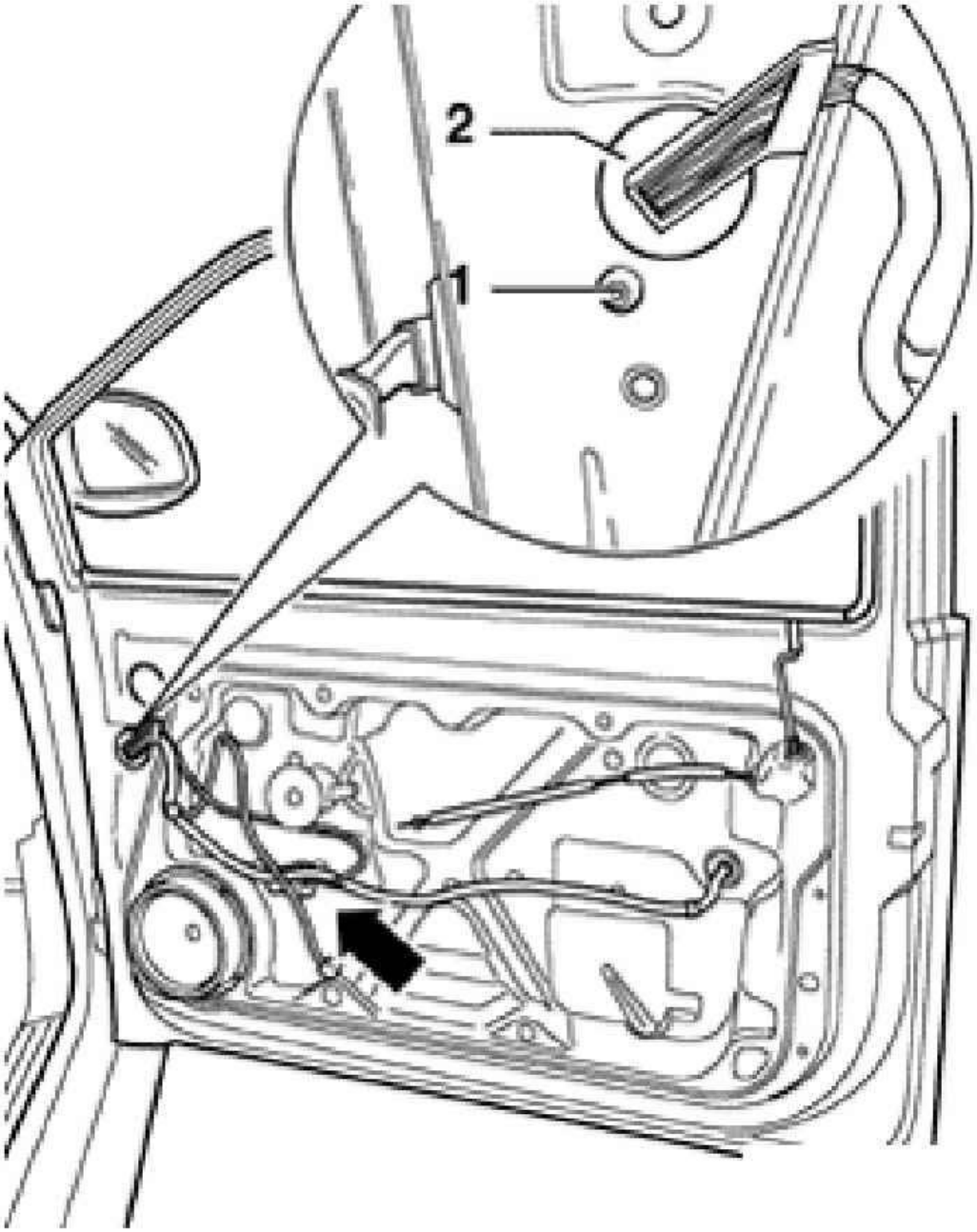


**Fig. 39: Disconnecting Connection For Exterior Mirror And Unhook Wiring From Assembly Carrier**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Unscrew bolts/screws -1-.
- Torque setting: 20 N.m.

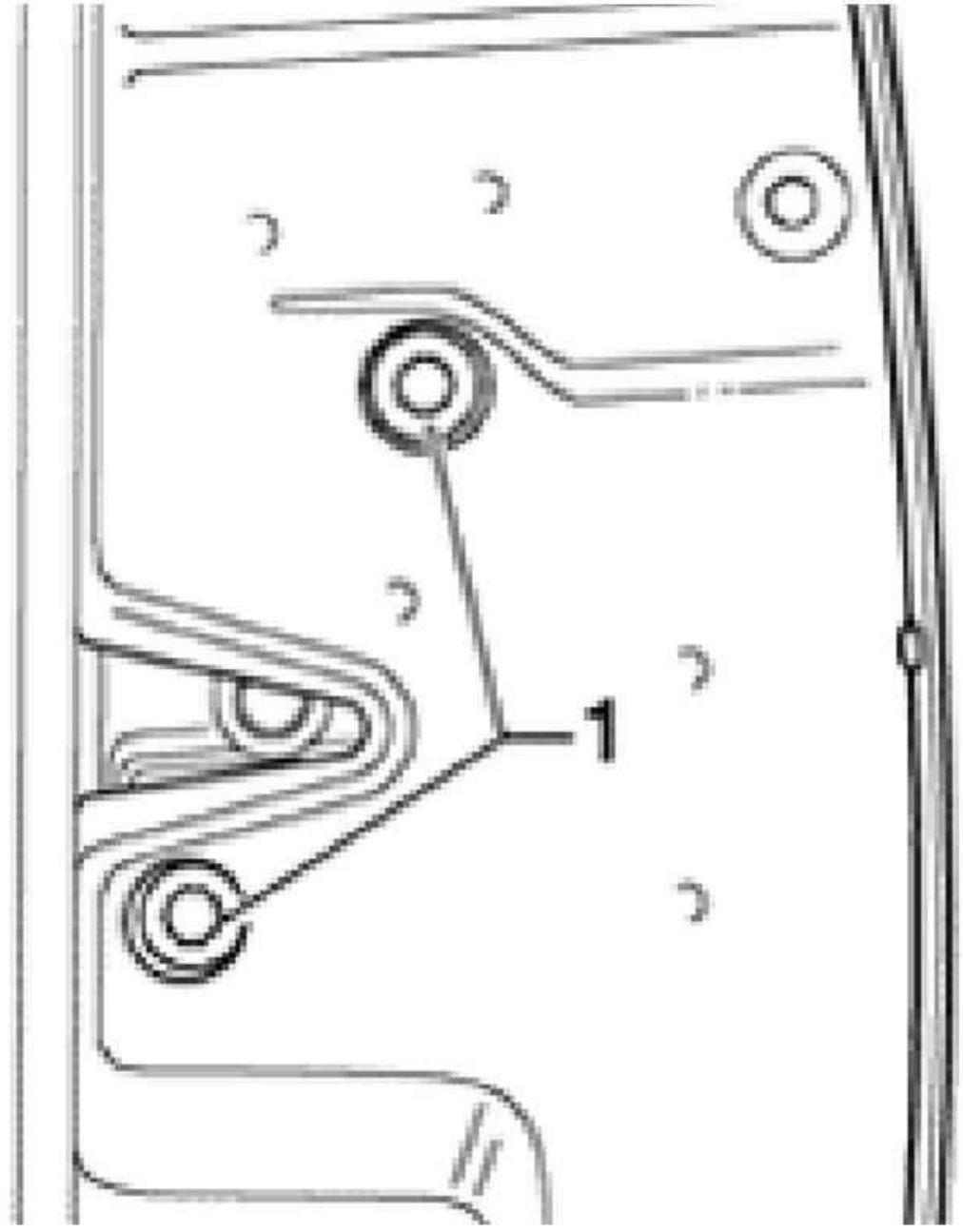


**Fig. 40: Removing Door Bolts/Screws**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Remove bolts/screws -1- to -11-. Remove top of assembly carrier off door, lift and remove out of door toward hinges.

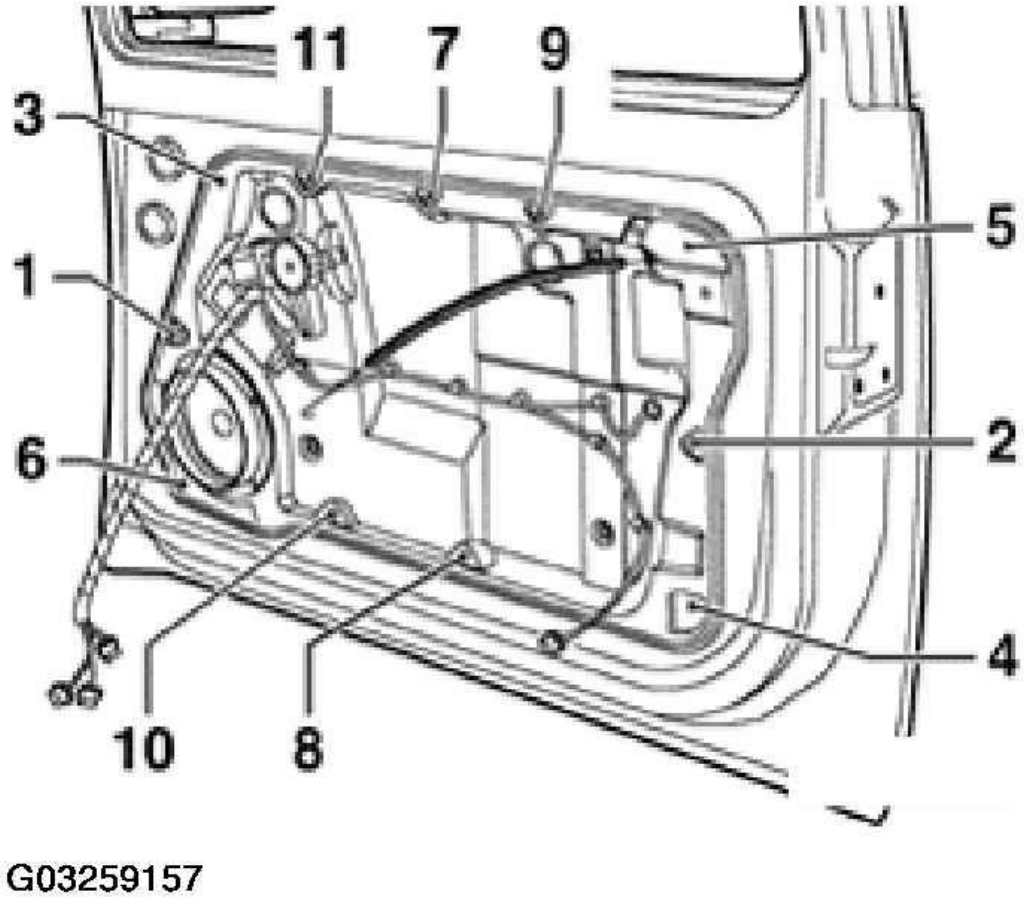


**Fig. 41: Removing Door Bolts/Screws -1- to -11-**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Turn mounting plate and pull connector off door lock.
- Drive out clips -1- with a drift.

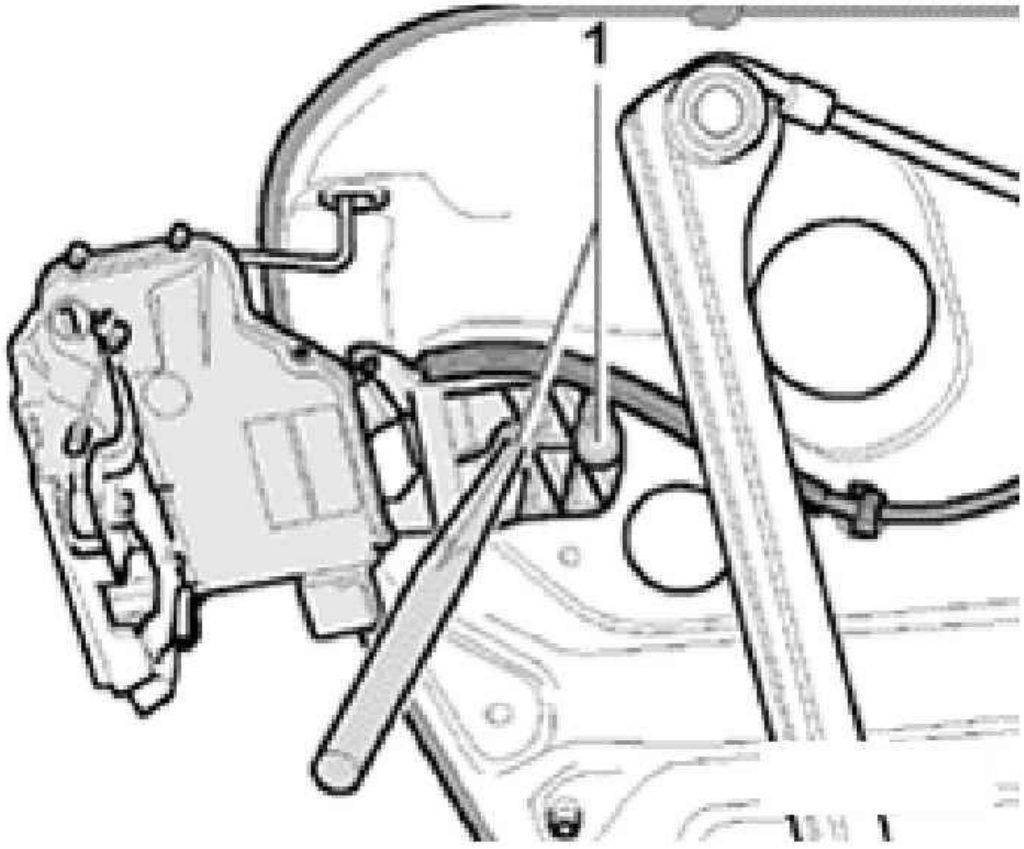


**Fig. 42: Driving Out Clips With A Drift**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Unclip cable -2- from clip-1-.
- Pry door lock with retaining bracket off assembly carrier using a screwdriver -3-.

**NOTE: Retaining bracket is not part of scope of delivery for door lock. It is secured to door lock by a bolt/screw and a pop rivet.**

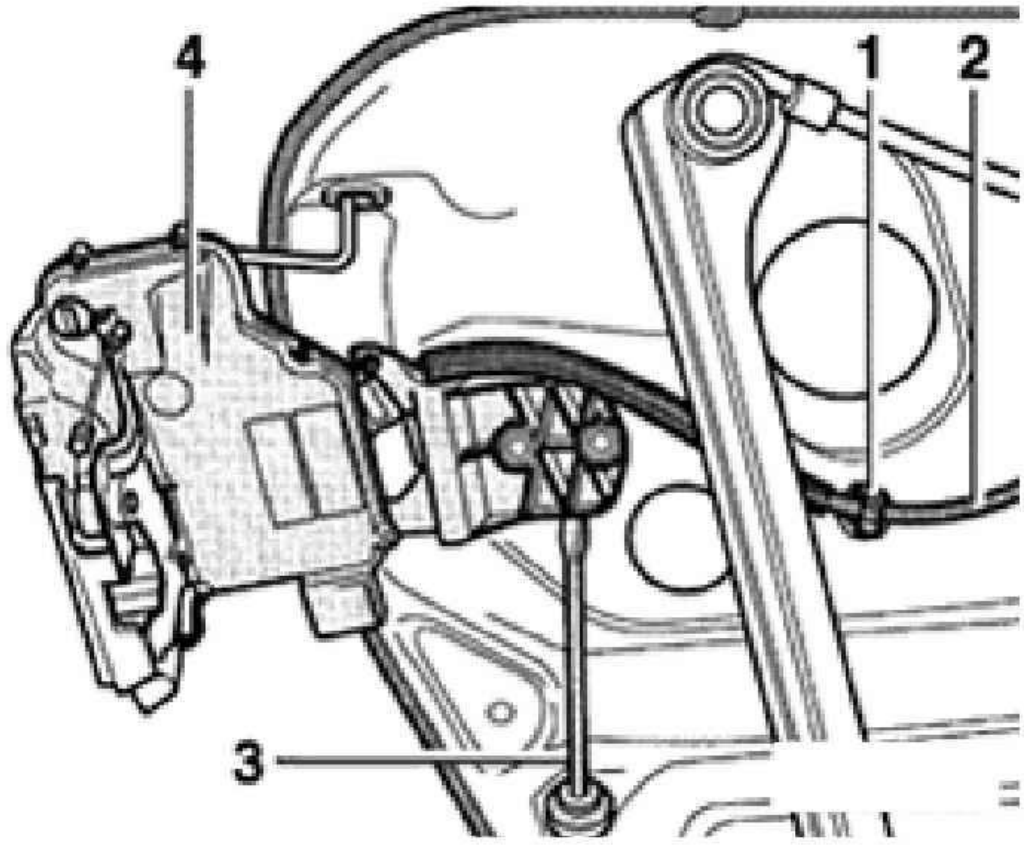


**Fig. 43: Removing Clip Cable From Clip**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Unclip securing rod -1-. Turn door lock in direction of -arrow- to do this.
- Unclip cable -2-.
- Turn cable nipple through 90° and remove from eye.

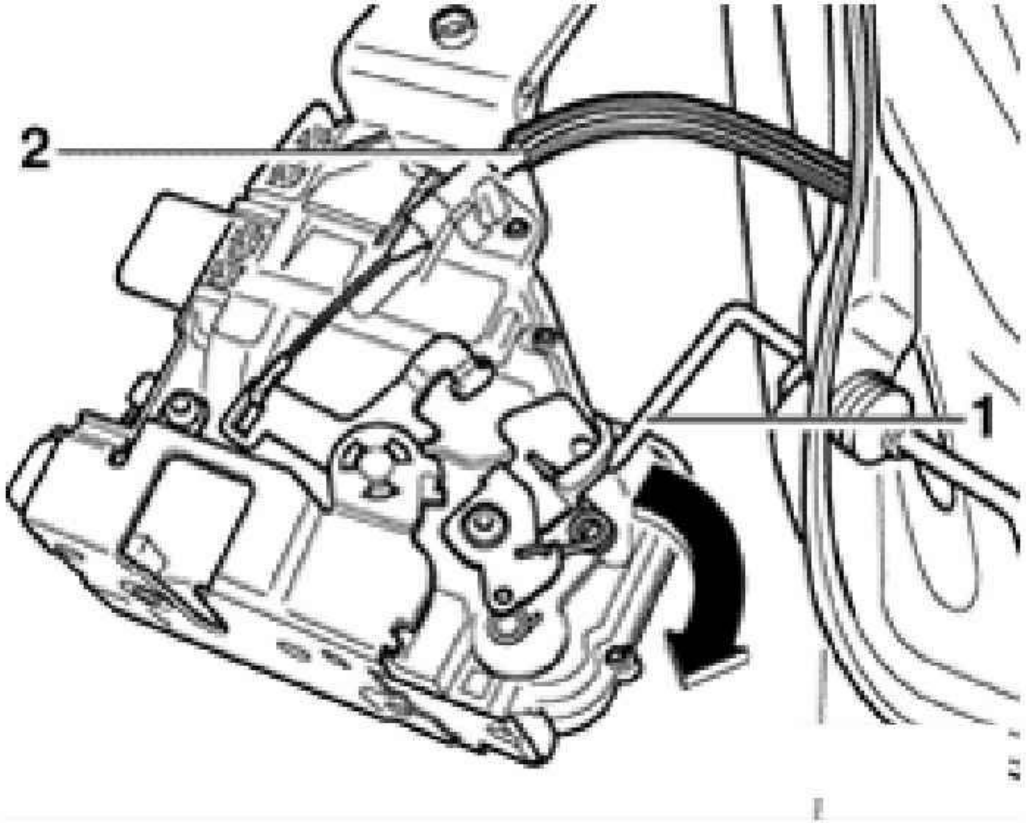


**Fig. 44: Removing Clip Securing Rod**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Installing**

- Pull lock lever -1- in direction of -arrow-.
- Tension spring -2- which is secured on door lock, in direction of -arrow- with a screwdriver and hook locking lever into spring.

**NOTE: Hooking the operating lever in locks lock. Incorrectly attaching Bowden cable later is thereby prevented (lock may move slightly).**

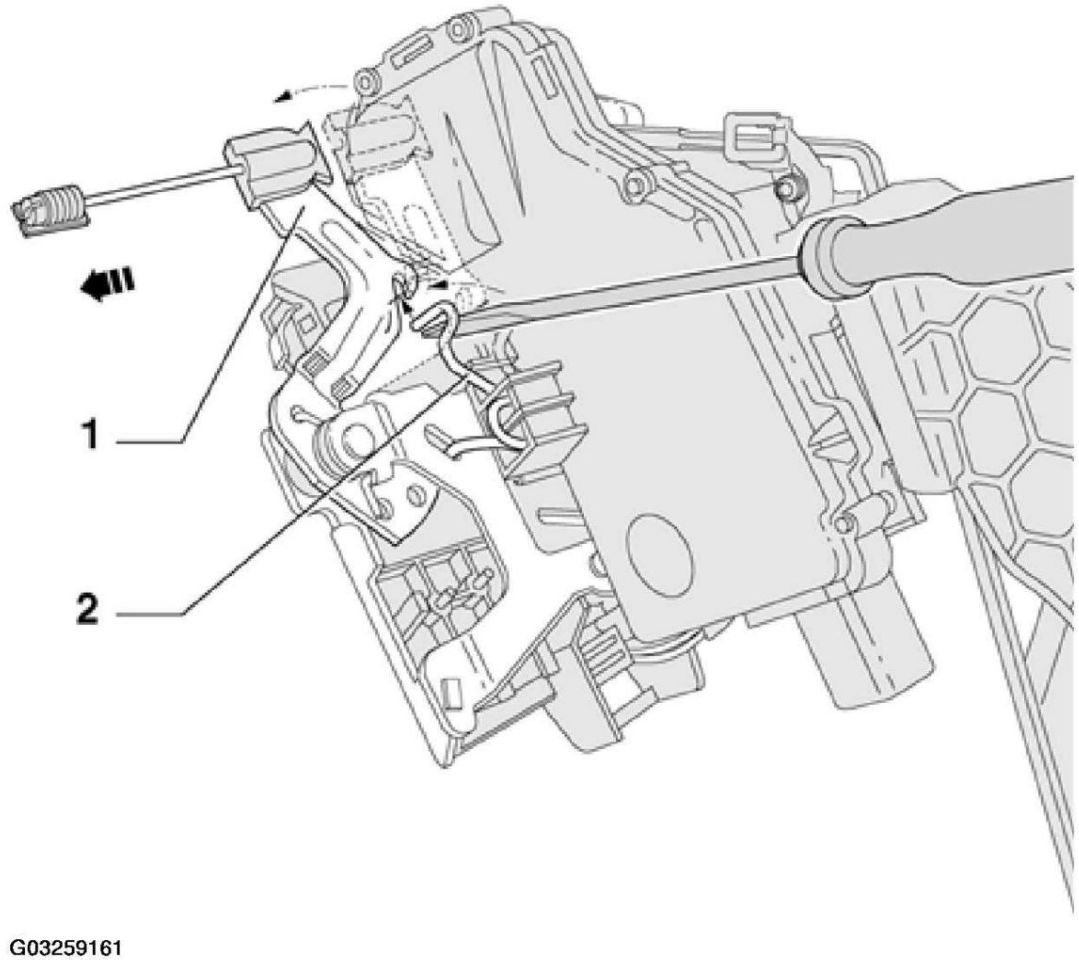


**Fig. 45: Pulling Lock Lever In Direction Of Arrow**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Insert mounting plate in door.
- Install all bolts/screws -1- to -11-. Tighten bolts/screws in order as they are numbered.
- Torque setting: 8 N.m.

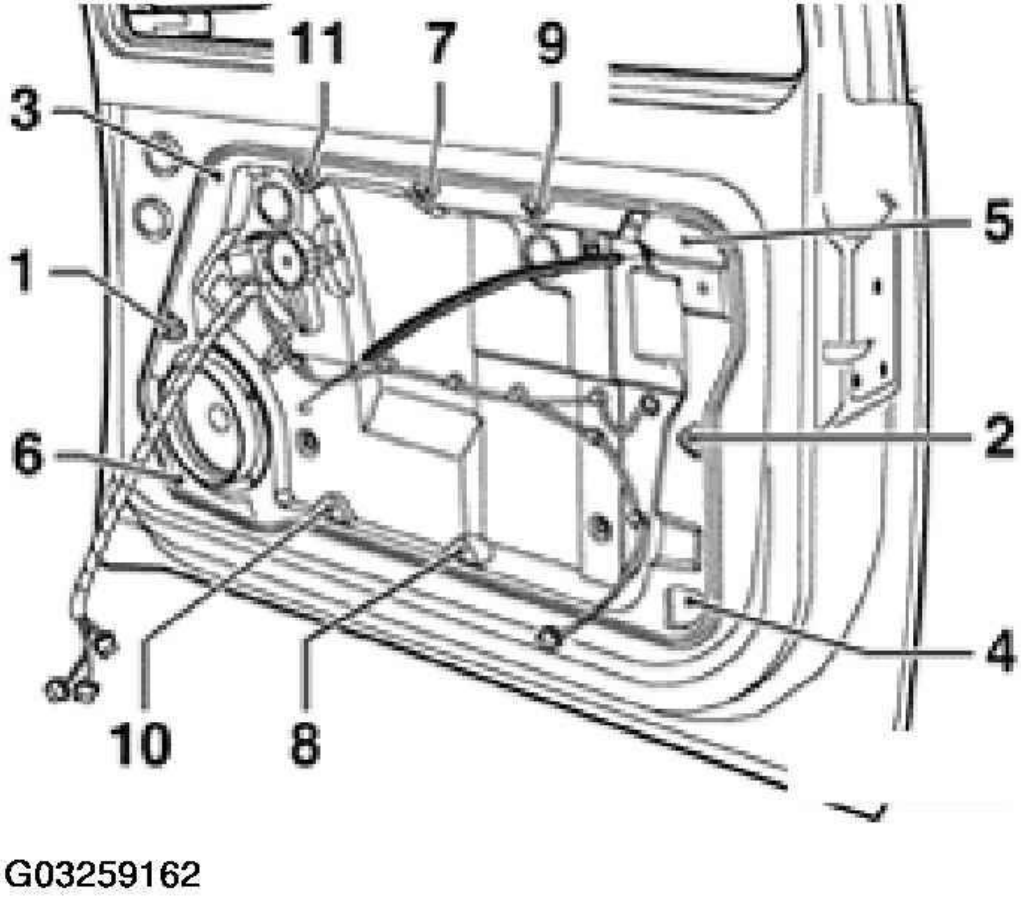


**Fig. 46: Identifying Tighten Sequence Of Door Bolts/Screws**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Push door window -1- into window guide -arrow- and tighten clamps with bolts/screws -2- (10 N.m).

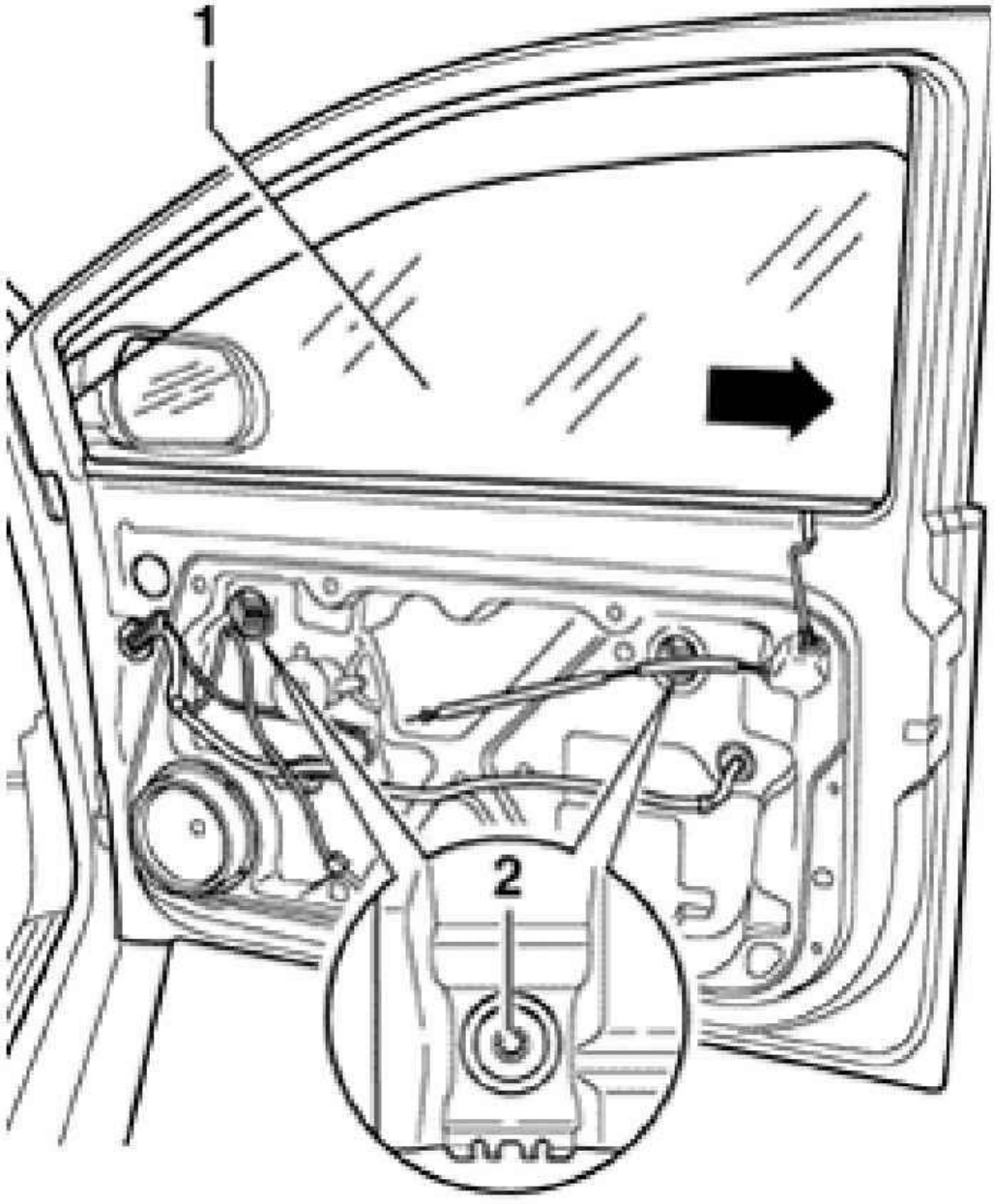


**Fig. 47: Pushing Door Window Into Window Guide**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Then perform remaining installation in reverse order of removal.

- Then perform functional check.

**DOOR LOCK, REMOVING AND INSTALLING (CONVERTIBLE)**

Door lock and loudspeaker are secured to assembly carrier.

Door lock can only be removed in conjunction with assembly carrier.

**Removing**

- Remove front door trim

  See **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

- Remove lock cylinder housing, see **LOCK CYLINDER HOUSING, REMOVING** .
- Unclip clip -1- from door handle.

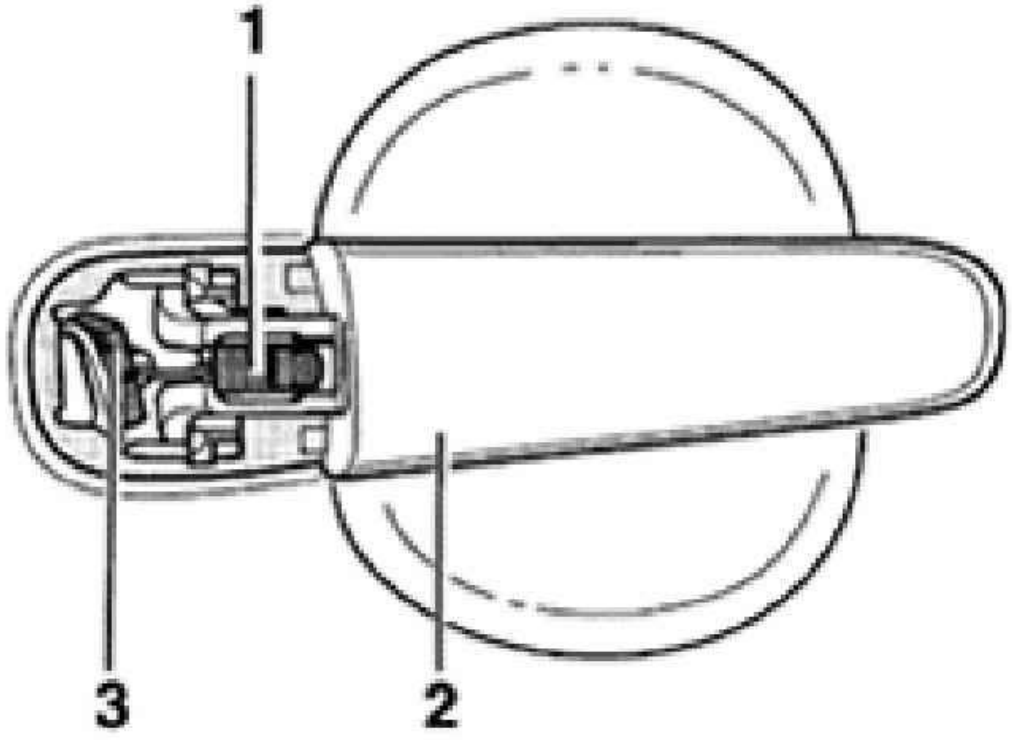


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**Fig. 48: Removing Clip From Door Handle**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Unscrew bolts/screws -1-.
- Torque setting: 20 N.m.

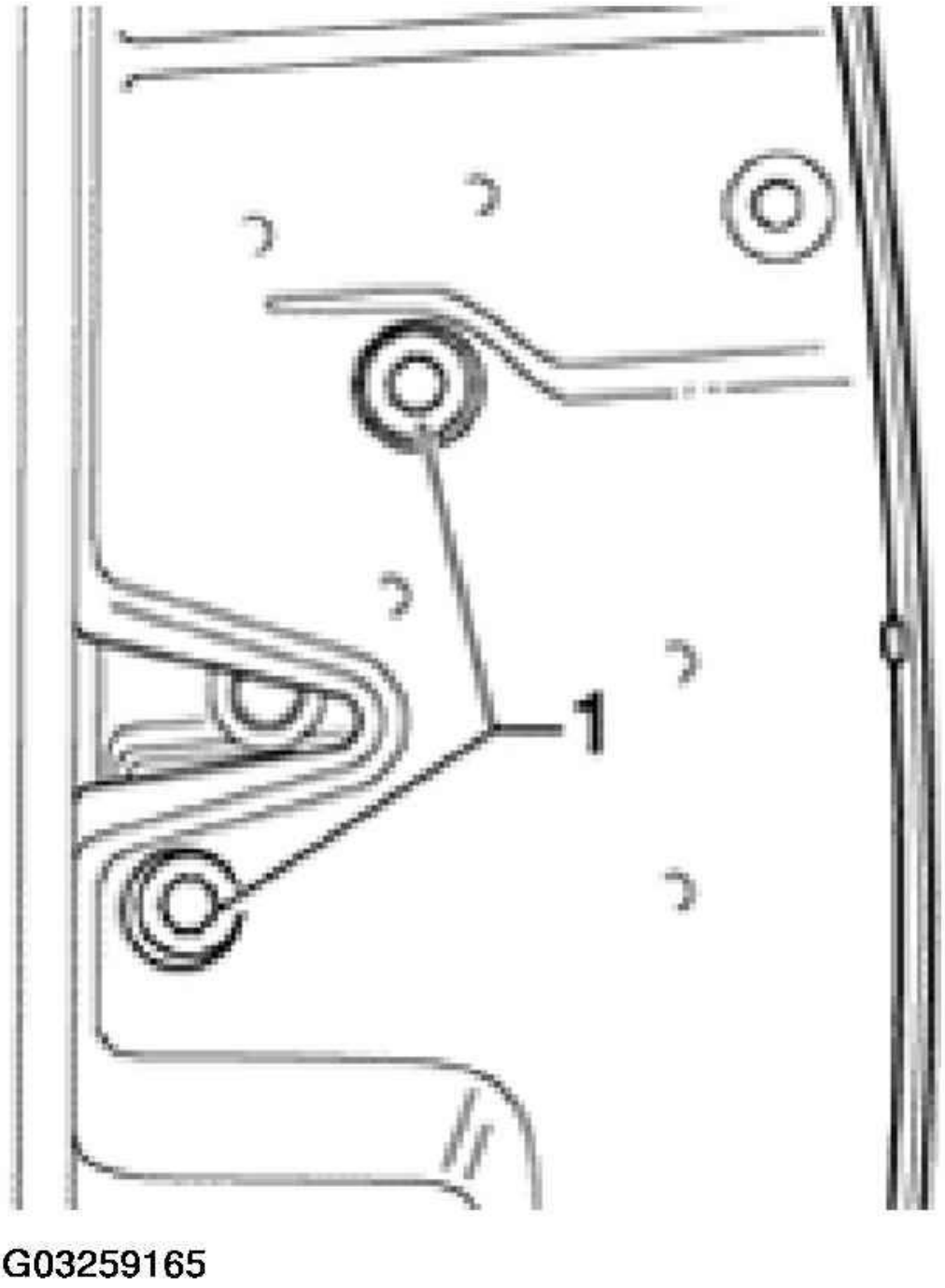


**Fig. 49: Removing Door Lock Mechanism Bolts/Screws**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Disconnect all connections and wiring harness clips -arrows-.
- Remove bolts/screws -1-, -3- and nut -2-. Pull top of assembly carrier off door, lift and remove from door toward hinges.
- Turn mounting plate and remove connector from door lock.

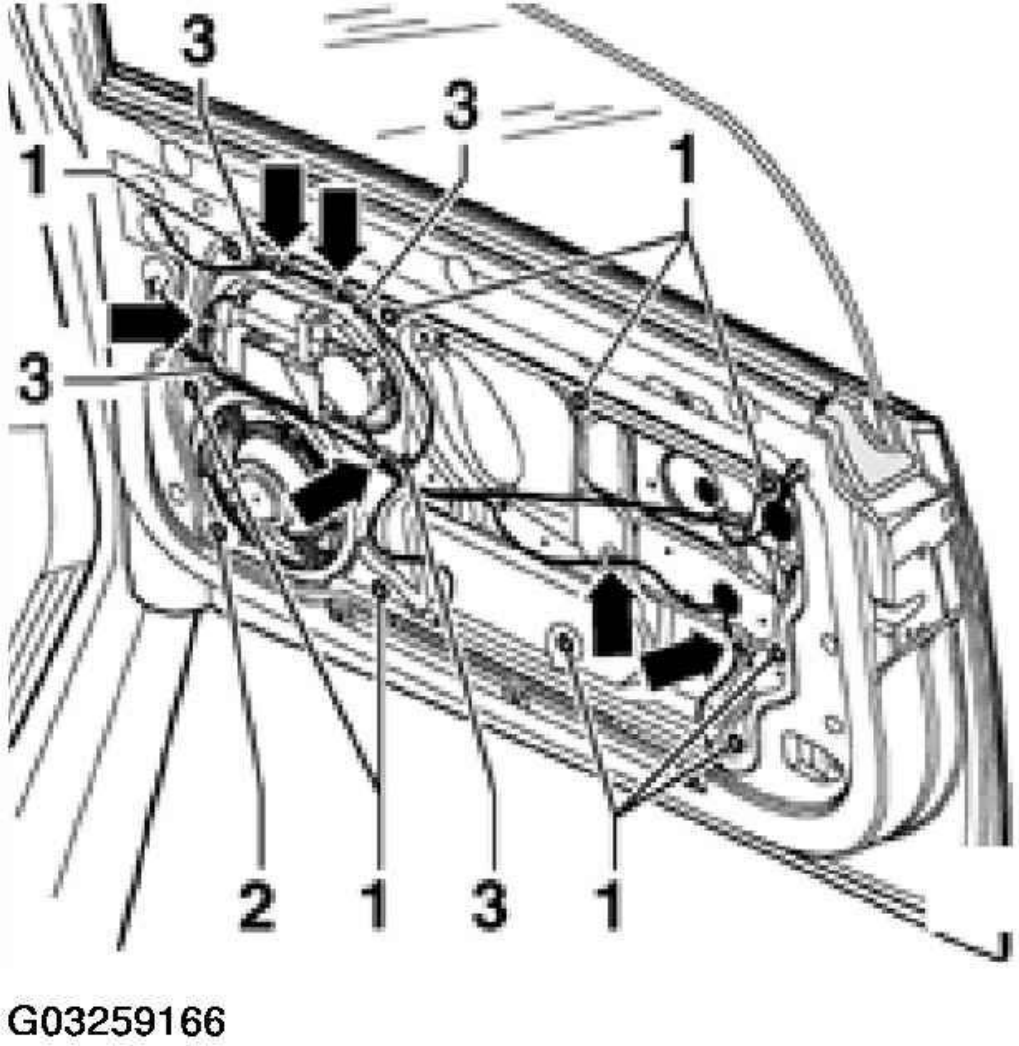


**Fig. 50: Disconnecting All Connections And Wiring Harness Clips From Door (Convertible)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Drive out clips -1- with a drift.

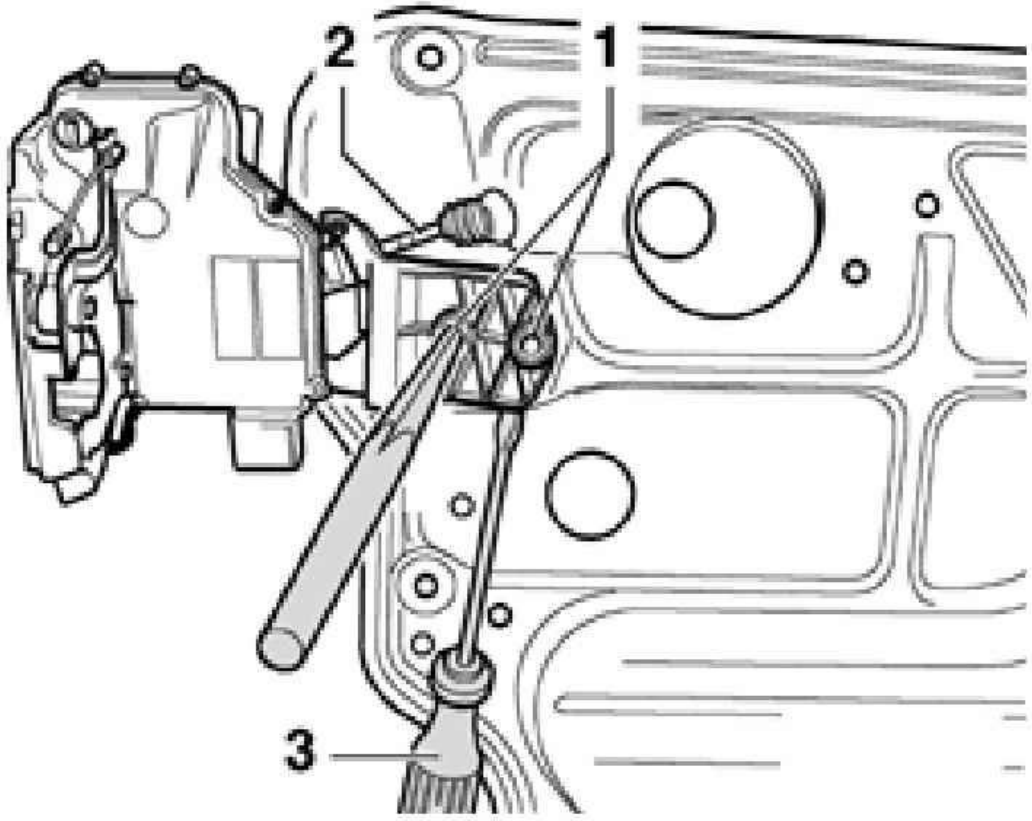


**Fig. 51: Driving Out Clips With Drift**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

- Pry door lock with retaining bracket off assembly carrier using a screwdriver -3-.
- Pull cable -2- out of assembly carrier.

**NOTE: Retaining bracket is not part of scope of delivery for door lock. It is secured to door lock by a bolt/screw and a pop rivet.**

- Unclip Cable -1-.
- Turn cable nipple through 90° and take out from eye.

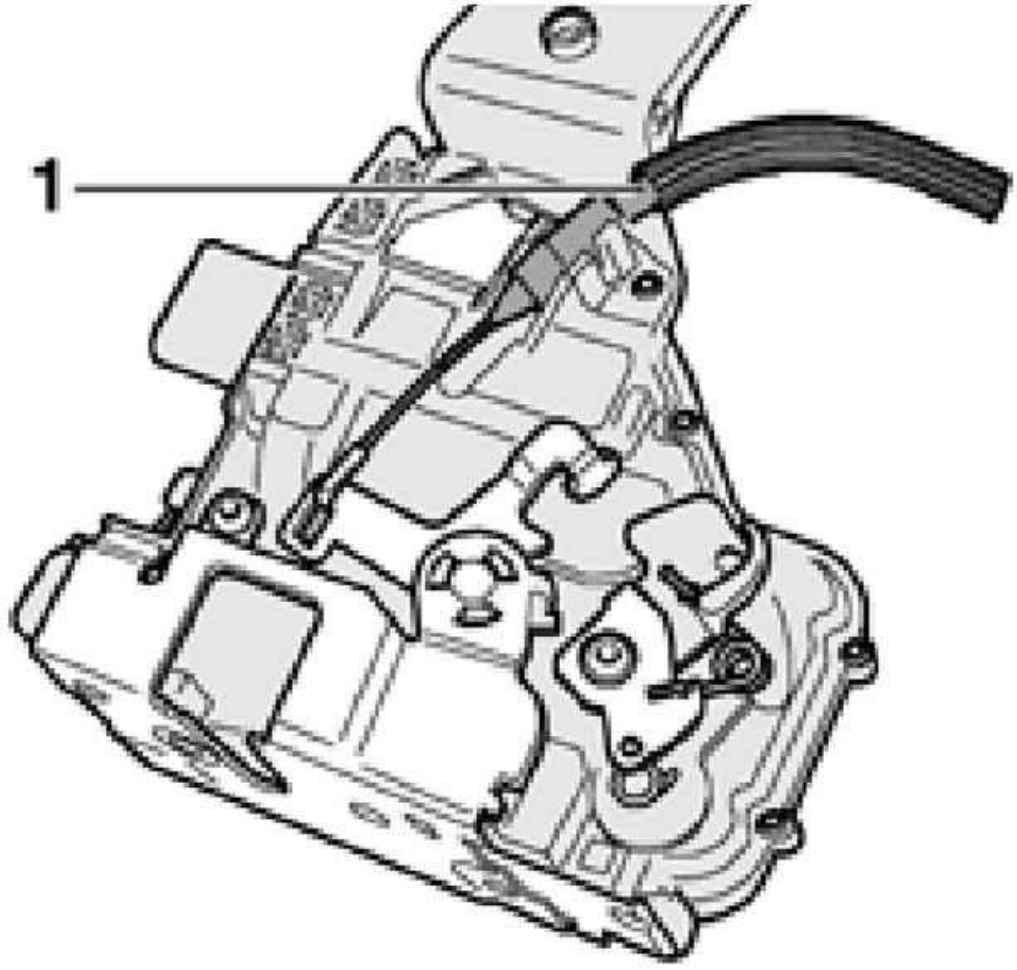


**Fig. 52: Removing Cable Clip**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Installing**

- Pull lock lever -1- in direction of -arrow-.
- Tension spring -2- which is secured on door lock, in direction of -arrow- with a screwdriver and hook locking lever into spring.

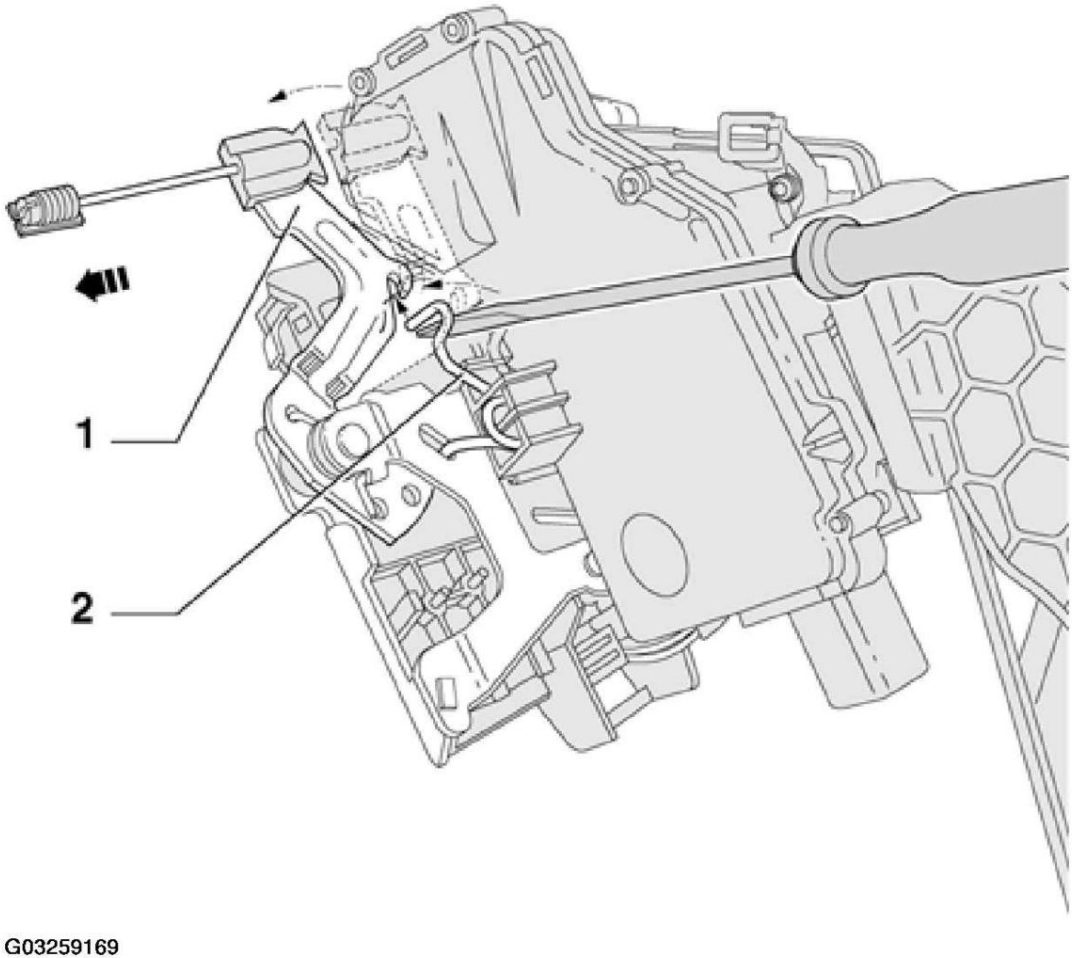


**Fig. 53: Pulling Lock Lever In Direction Of Arrow**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**NOTE: Hooking operating lever in locks lock. Incorrectly attaching Bowden cable later is thereby prevented (lock may move slightly).**

Install in reverse order of removal.

## BEARING BRACKET, REMOVING AND INSTALLING

### Removing

- Remove lock cylinder housing, see **LOCK CYLINDER HOUSING, REMOVING** .
- Remove door handle, see **DOOR HANDLE, REMOVING AND INSTALLING** .
- Remove assembly carrier, see **DOOR LOCK, REMOVING AND INSTALLING** or Convertible, see **DOOR LOCK, REMOVING AND INSTALLING (CONVERTIBLE)** .

- Remove bolt/screw -1-, slide bearing bracket to rear in door and unhook retaining lug -2- in door cut-out.

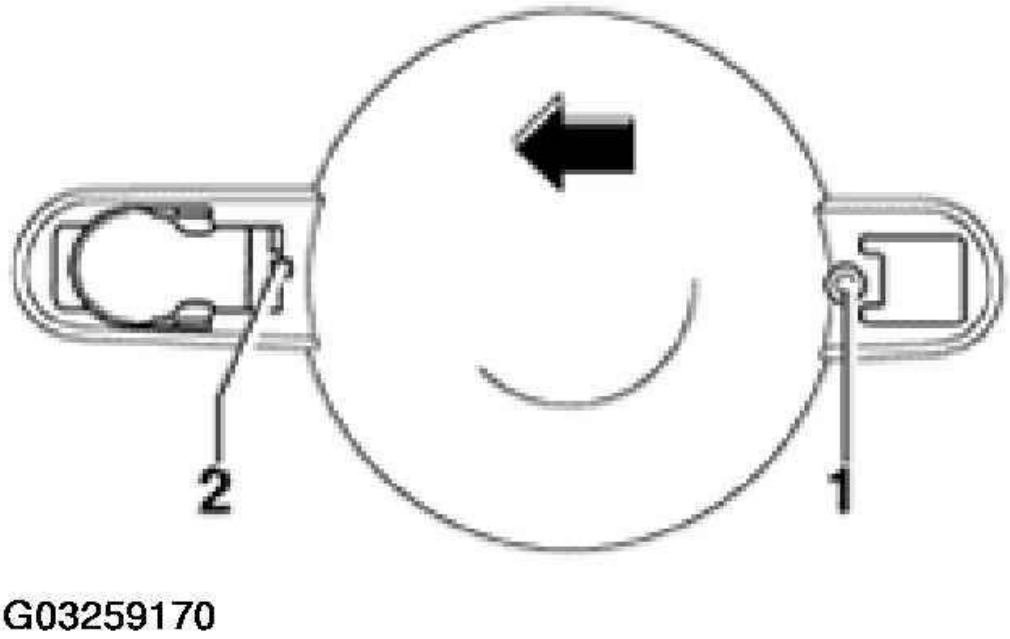


**Fig. 54: Removing Hook Retaining Lug In Door Cut-Out**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Installing**

Install in reverse order of removal.

- Before inserting the bearing bracket make sure sprung lever -1- is in its correct installation position and reinstate if necessary.

  Sprung lever -1- must be pressed into bearing bracket, against spring pressure, and blocked in this position by sliding locking device -2-.

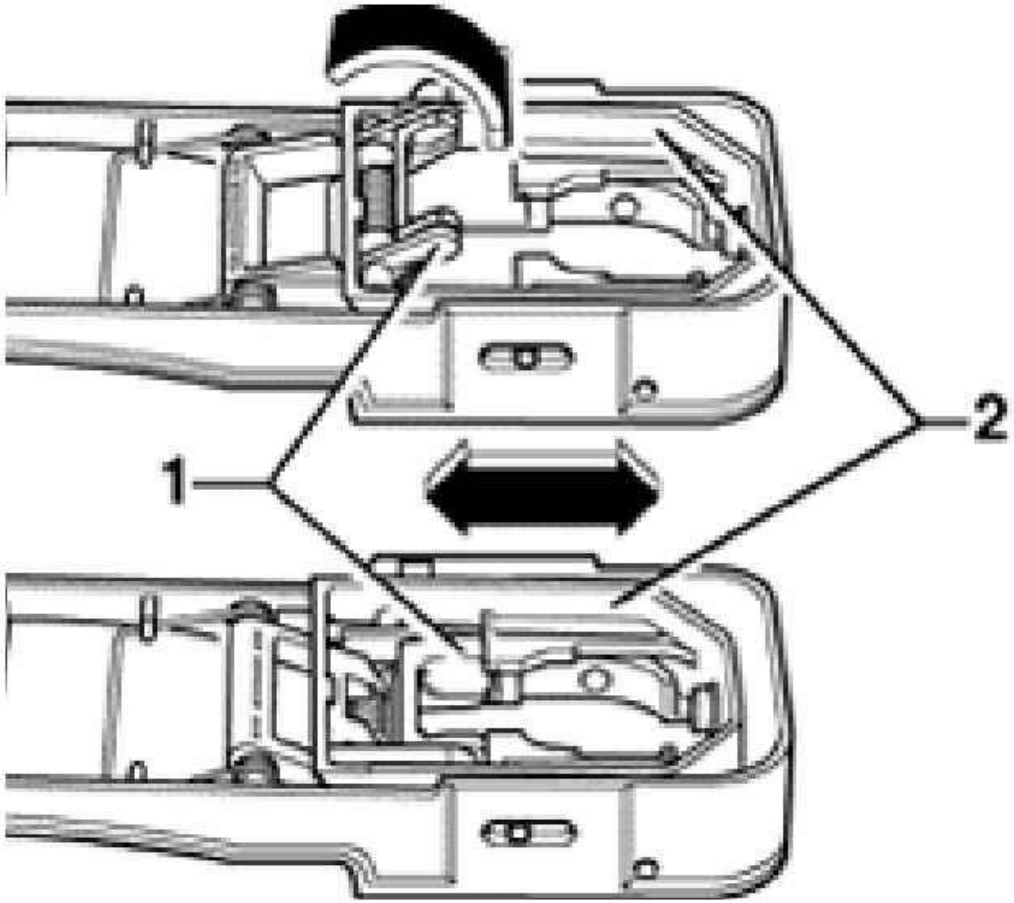


**Fig. 55: Identifying Sprung Lever Correct Installation Position**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**LOCKING KNOB FOR RELEASE ROD, REMOVING AND INSTALLING**

**NOTE:**

- **Description for removing and installing locking knob must be adhered to.**
- **Locking rods can unscrew from locks or damage mounting if procedures are not observed.**

**Removing right-hand door**

- Release locking knob by turning 180° counterclockwise.

- Remove locking knob upward.

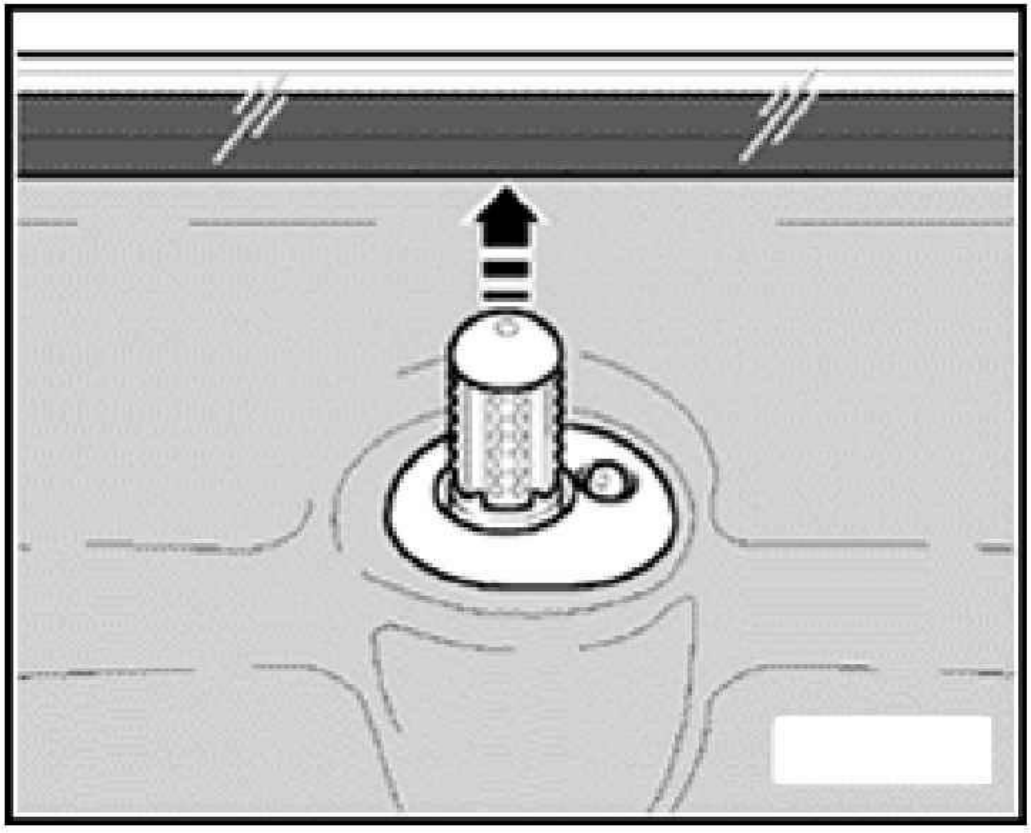

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**Fig. 56: Removing Locking Knob Upward**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Installing right-hand door**

- Install locking knob onto locking rod with mark (small dot) on top toward vehicle interior.
- Press locking knob onto locking rod until fluted section is flush with height of door trim.
- Then turn locking knob 180° counterclockwise.

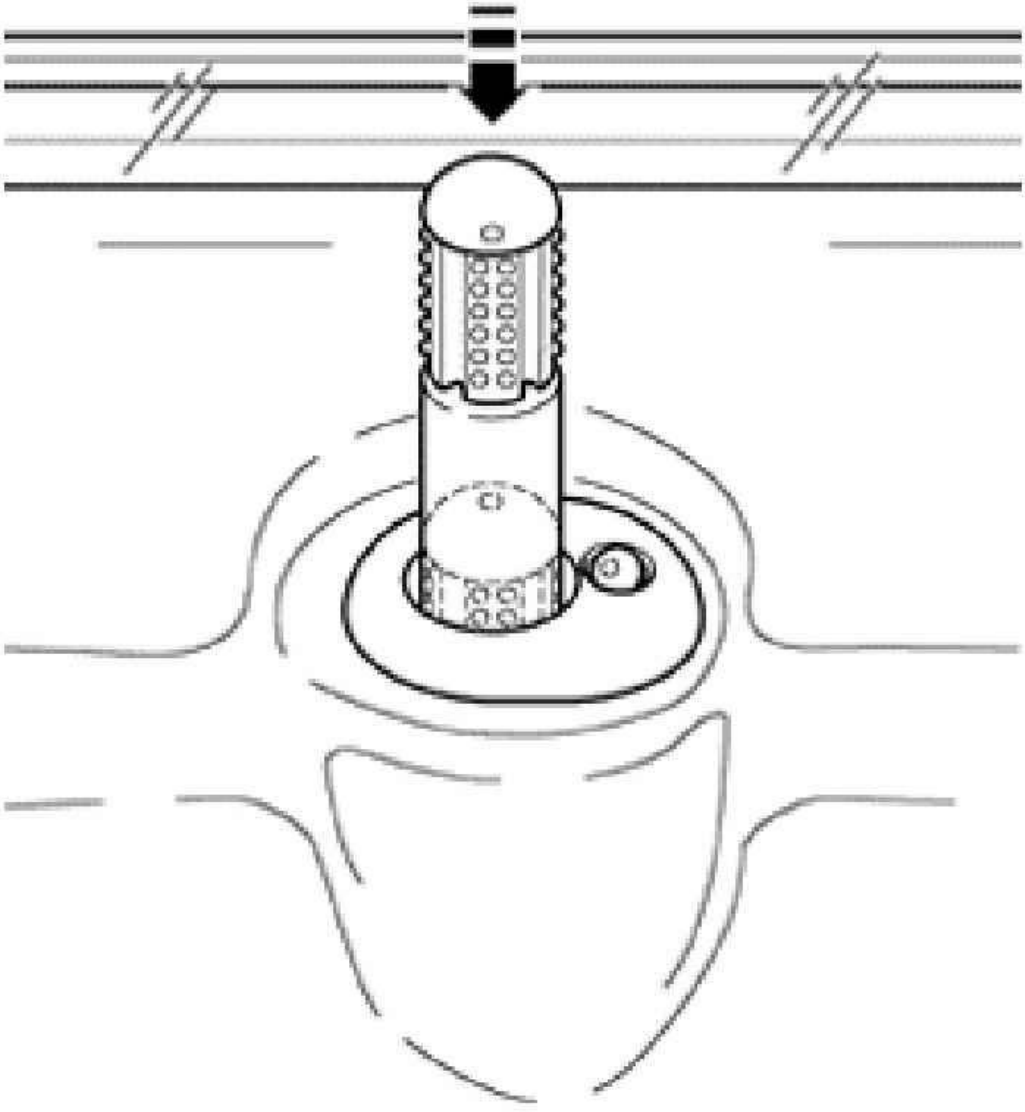


**Fig. 57: Installing Locking Knob Onto Locking Rod**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

Locking knob in "locked" condition can project approx. 0...2 mm above door trim.

**Removing left-hand door**

- Release locking knob by turning 180° clockwise.

- Remove locking knob upward.

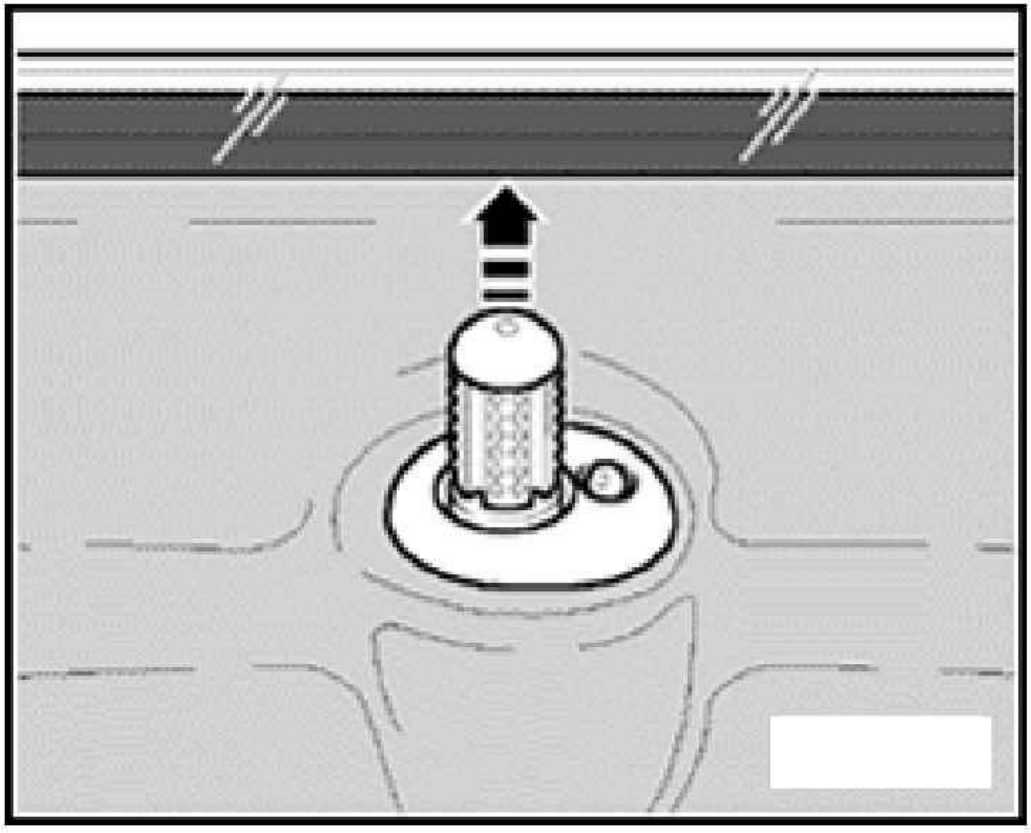

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**Fig. 58: Removing Locking Knob Upward**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

**Installing left-hand door**

- Install locking knob onto locking rod with mark (small dot) on top toward vehicle interior.
- Press locking knob onto locking rod until the fluted section is flush with height of door trim.
- Turn locking knob 180° clockwise.

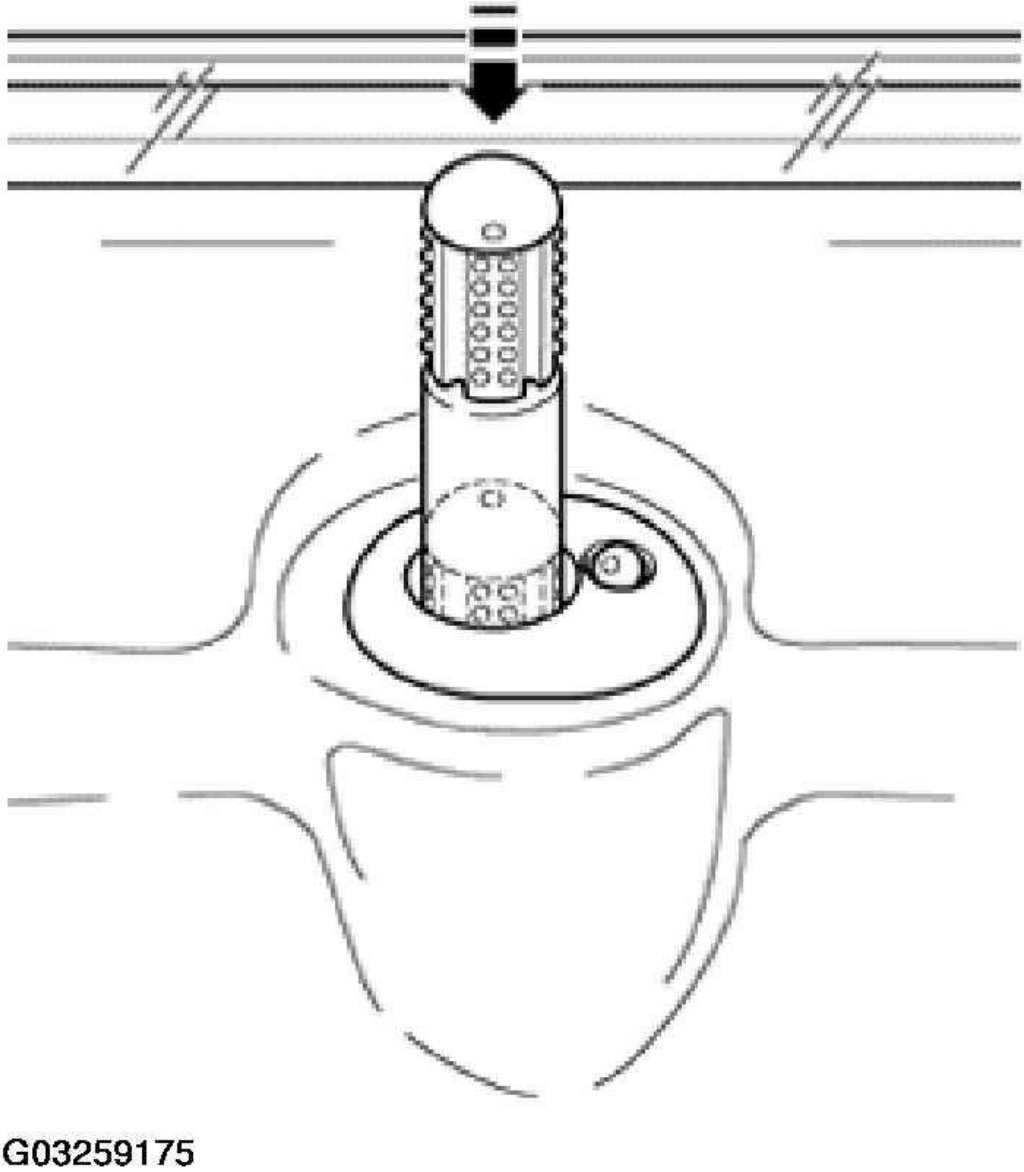



**Fig. 59: Installing Locking Knob Onto Locking Rod**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

Locking knob in "locked" condition can project approx. 0...2 mm above door trim.

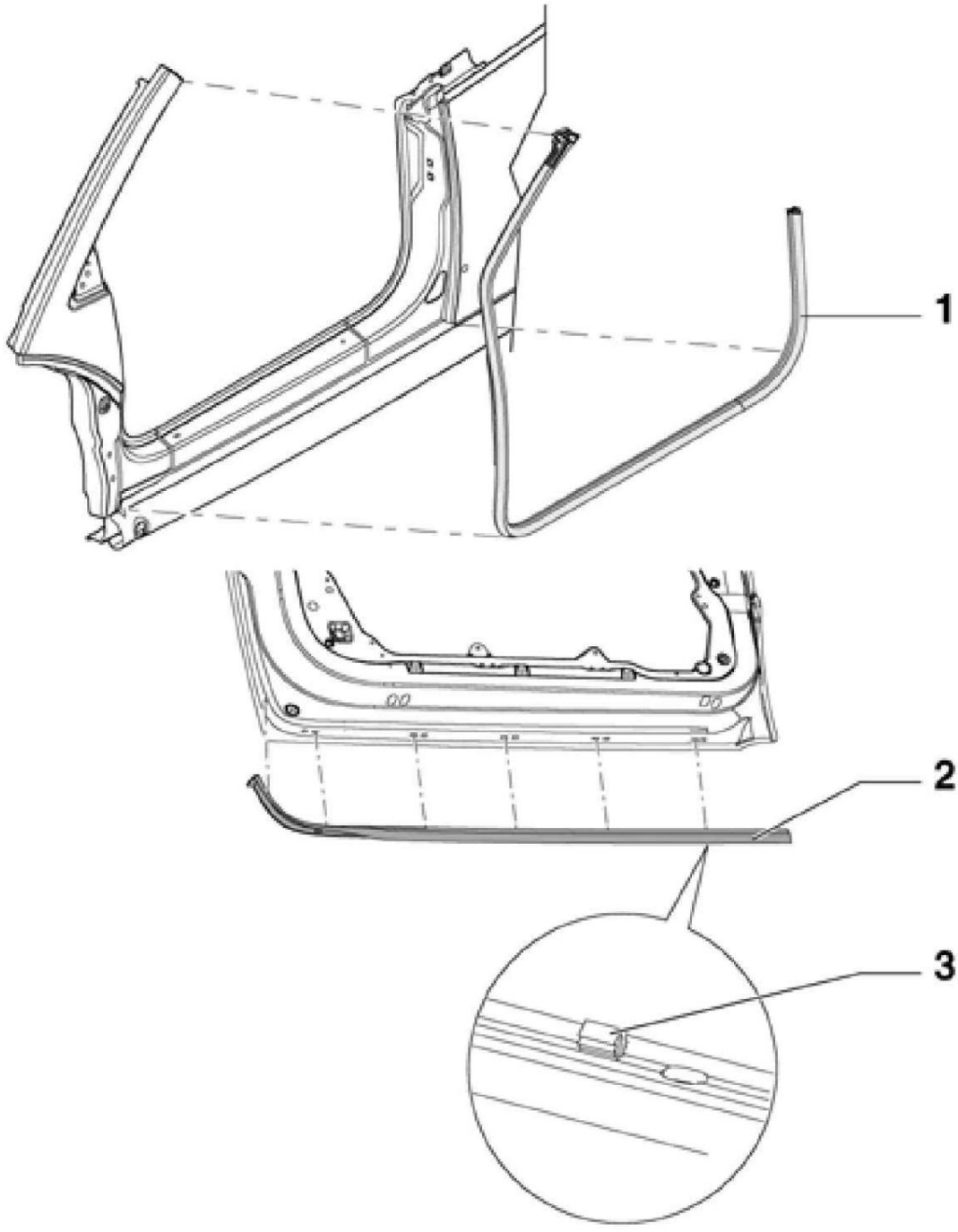
**DOOR SEALS, ASSEMBLY OVERVIEW (CONVERTIBLE)**

In series production, door seals have a sealant applied to them, and they are then placed on door flange and

rolled on.

**NOTE:**

- **If they are removed sealant will spread on the inside of seal and flanks will be bent out slightly. If seal is then reinstalled there is no guarantee that it will fit tightly and seal.**
- **Therefore each seal which is removed completely should be replaced by a "tap-on" seal.**
- **If a seal has been partially removed, squeeze the sides together before refitting.**




1 - Door inner seal

2 - Dust seal

3 - Clip

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**Fig. 60: Disassembled View Of Door Seals Assembly (Convertible)**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

1. **Door inner seal**
   - Start at upper radius of the door opening when installing the seal.
2. **Dust seal**
3. **Clip**
   - Installed into door seal.

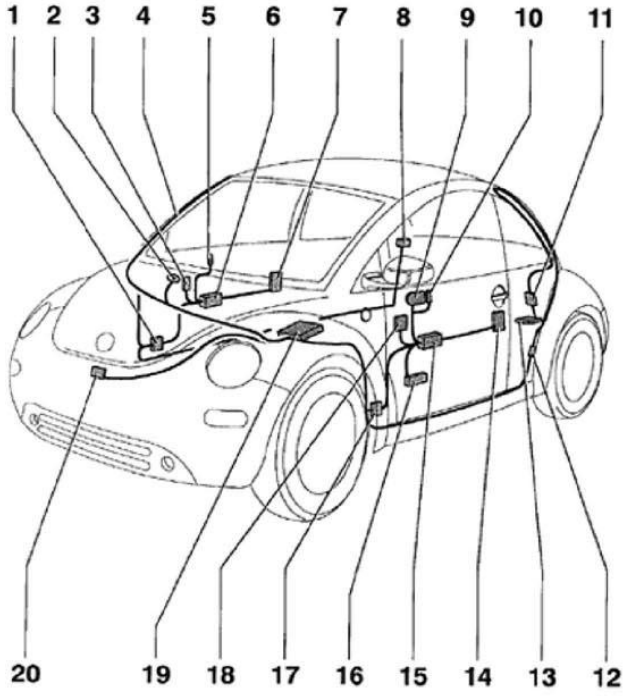
# CENTRAL LOCKING

### CENTRAL LOCKING AND CONVENIENCE SYSTEM, ASSEMBLY OVERVIEW

1. **Coupling station**
   - Component location: Lower A-pillar covered by trim in footwell
     - Remove A-pillar lower trim.

       See **A-PILLAR LOWER TRIM, REMOVING AND INSTALLING** .
   - Removing and installing (Convertible)

     See **SILL PANEL TRIM STRIP (CONVERTIBLE), REMOVING AND INSTALLING** .
2. **Anti-theft alarm horn**
   - Component location: On right behind plenum chamber sealing cover
   - Removing:
     - Remove plenum chamber sealing part. See **PLENUM CHAMBER SEALING ASSEMBLY, REMOVING AND INSTALLING** .




1 - Coupling station
2 - Anti-theft alarm horn
3 - Front right power window switch
4 - Aerial for remote control
5 - Interior locking switch, front passenger's side
6 - Front right door control unit
7 - Front right door lock
8 - Motor for fuel tank lid unlock V155
9 - Exterior mirror adjustment switch and change-over switch
10 - Interior locking switch, driver's side
11 - Tailgate/trunk lid remote release motor
12 - Coupling station
13 - Hood lock
14 - Front left door lock
15 - Front left door control unit
16 - Controls
17 - Coupling station
18 - Power window switch
19 - Central control unit
20 - Hood lock

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**Fig. 61: Locating Central Locking And Convenience System Components**
**Courtesy of VOLKSWAGEN OF AMERICA, INC.**

3. **Front right power window switch**

- For convenience system only.

4. **Aerial for remote control**
   - Under A-pillar trim.
5. **Interior locking switch, front passenger's side**
6. **Front right door control unit**
   - For convenience system only.
   - Integrated into window electric motor.
   - Removing:
     - Removing door trim.

       See **FRONT DOOR TRIM, REMOVING AND INSTALLING** or **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

     - Unscrew window electric motor.
7. **Front right door lock**
   - Door lock is secured to assembly carrier.
   - Electric central locking is integrated into door lock module.
   - Removing:
     - Removing door trim.

       See **FRONT DOOR TRIM, REMOVING AND INSTALLING** or **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

     - Remove door lock. See **DOOR LOCK, REMOVING AND INSTALLING** . Convertible, see **DOOR LOCK, REMOVING AND INSTALLING (CONVERTIBLE)** .
8. **Motor for fuel tank lid unlock V155**
   - Component location: Under C-pillar trim
   - Removing. See **FUEL TANK FILLER FLAP RELEASE MOTOR, REMOVING** .
9. **Exterior mirror adjustment switch and change-over switch**
10. **Interior locking switch, driver's side**
11. **Tailgate/trunk lid remote release motor**
    - Bolted to tailgate/trunk lid.
    - Lock cylinder micro switch is also located on carrier.
    - Motor for remote unlock rear lid -V151- can only be removed in conjunction with the carrier.
    - Removing and installing. See **CARRIER FOR TAILGATE/TRUNK LID REMOTE RELEASE MOTOR, REMOVING AND INSTALLING** , or **CARRIER FOR TAILGATE/TRUNK LID REMOTE RELEASE MOTOR (MODELS FROM 09.01 AND UP, USA), REMOVING AND INSTALLING** .
12. **Coupling station**
    - Component location: On left in luggage compartment.

- Not used on Convertible.

13. **Hood lock**
    - Bolted to tailgate/trunk lid.
    - Removing:
        - Remove tailgate/trunk lid trim panel

          See **TAILGATE/TRUNK LID TRIM** .

        - Removing tailgate/trunk lid lock. See **TAILGATE/TRUNK LID LOCK, REMOVING AND INSTALLING** or **TAILGATE/TRUNK LID LOCK (MODELS FROM 09.01 AND UP, USA), REMOVING AND INSTALLING** . For convertible, see **TRUNK LID LOCK (CONVERTIBLE), REMOVING AND INSTALLING** .
14. **Front left door lock**
    - Door lock is secured to assembly carrier.
    - Electric central locking is integrated into door lock module.
    - Removing:
        - Removing door trim.

          See **FRONT DOOR TRIM, REMOVING AND INSTALLING** or **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

        - Removing door lock, see **DOOR LOCK, REMOVING AND INSTALLING** , Convertible, see **DOOR LOCK, REMOVING AND INSTALLING (CONVERTIBLE)** .
15. **Front left door control unit**
    - For convenience system only.
    - Integrated into window electric motor.
    - Removing:
        - Removing door trim.

          See **FRONT DOOR TRIM, REMOVING AND INSTALLING** or **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

        - Remove window electric motor.
16. **Controls**
    - With switch to release fuel tank filler flap and tailgate/trunk lid.
    - Installed in door trim.
    - Removing:
        - Removing door trim.

          See **FRONT DOOR TRIM, REMOVING AND INSTALLING** or **FRONT DOOR TRIM (CONVERTIBLE), REMOVING AND INSTALLING** .

17. **Coupling station**
    - Component location: Lower A-pillar covered by trim in footwell.
        - Remove left A-pillar lower trim.

          See **A-PILLAR LOWER TRIM, REMOVING AND INSTALLING** .

    - Removing and installing (Convertible).

      See **SILL PANEL TRIM STRIP (CONVERTIBLE), REMOVING ND INSTALLING** .

18. **Power window switch**
    - For convenience system only.
19. **Central control unit**
    - Bolted to bracket on steering. column under instrument panel.
    - To remove, first remove trim under steering column.

      See **TRIM UNDER STEERING COLUMN, REMOVING** .

20. **Hood lock**
    - Contact switch for anti-theft system (ATA).
    - Component location: In lock carrier.
        - Removing hood lock. See **HOOD LOCK, REMOVING, INSTALLING AND ADJUSTING** .